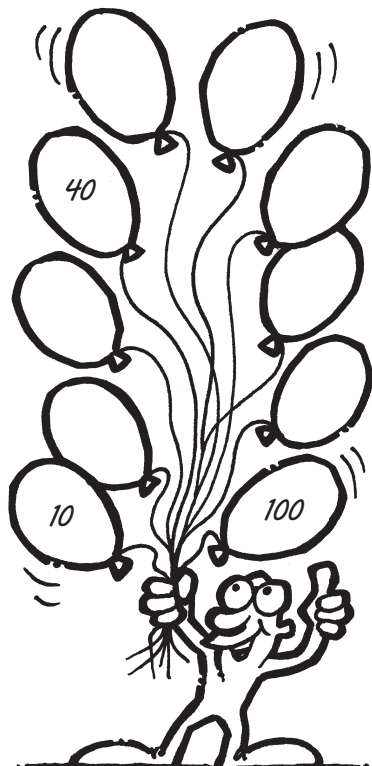


# Sheet 1 Number order

**A**

Write the 10s from 10 to 100.



Write the number after:

12	13
----	----

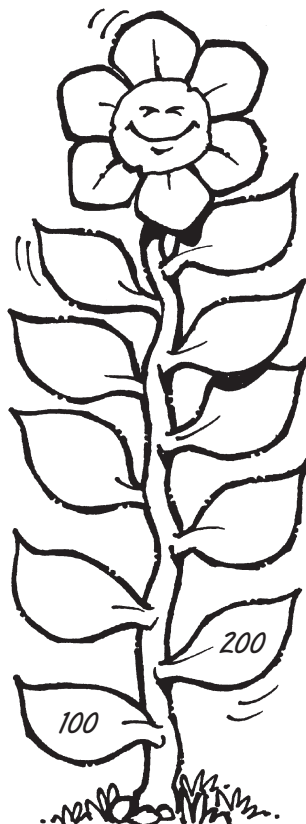
18	
----	--

15	
----	--

13	
----	--

**B**

Write the 100s from 100 to 1000.



Write the 10s number after:

30	
----	--

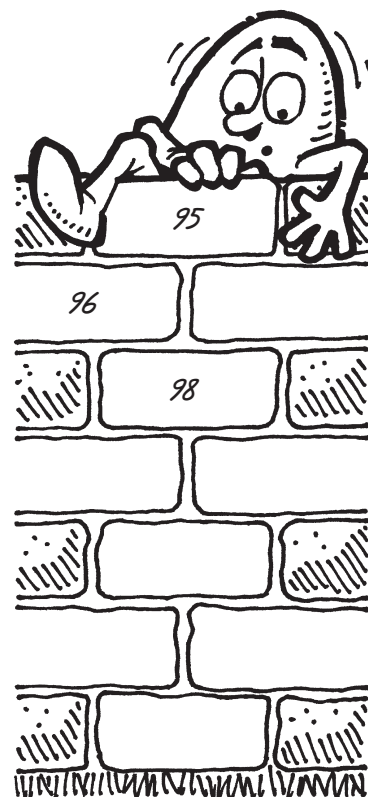
60	
----	--

90	
----	--

70	
----	--

**C**

Write the missing numbers.



Write the 100s number before:

	200
--	-----

	500
--	-----

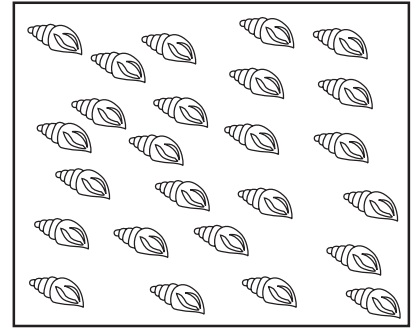
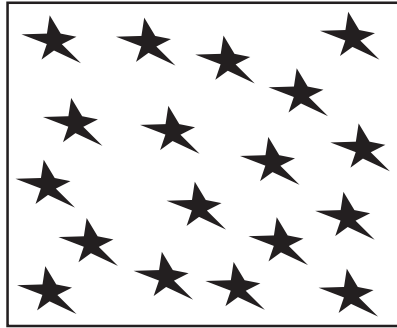
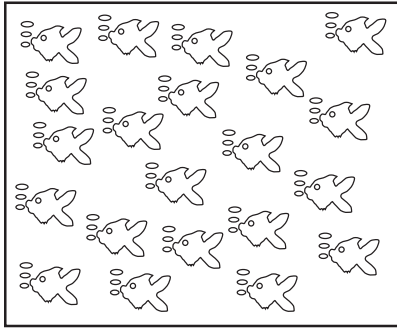
	1000
--	------

	300
--	-----

# Sheet 2 Counting objects

## A

Count and fill in the first box.  
Count again to check.



Total   
Check

Total   
Check

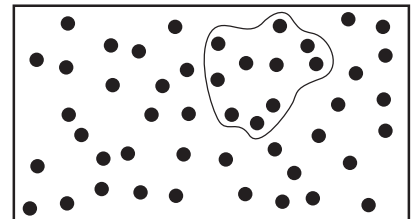
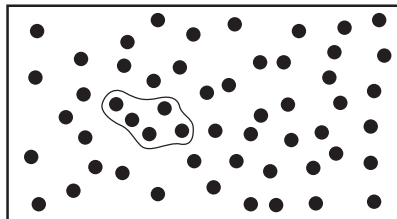
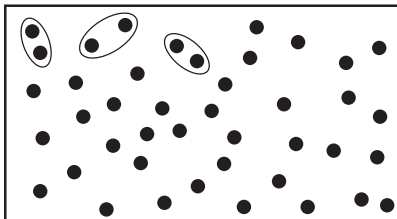
Total   
Check

## B

Group in twos.

Group in fives.

Group in tens



Total   
Check

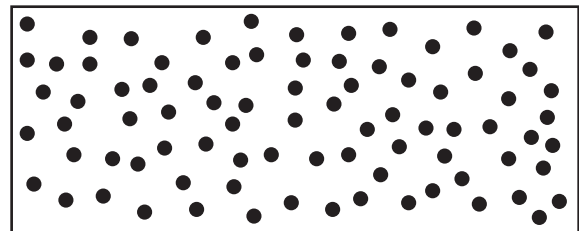
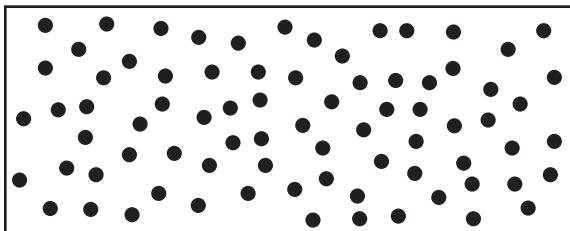
Total   
Check

Total   
Check

## C

Groups in fives.

Group in tens.



Total  Check

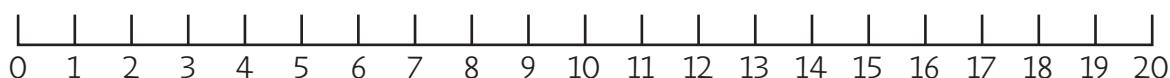
Total  Check

# Sheet 3 Counting in ones

Fill in the boxes.

## A

7	8	9	<input type="text" value="10"/>	<input type="text" value="11"/>	9 count on 2	<input type="text"/>	13 count back 3	<input type="text"/>
17	16	15	<input type="text"/>	<input type="text"/>	12 count on 3	<input type="text"/>	17 count back 5	<input type="text"/>
20	19	18	<input type="text"/>	<input type="text"/>	15 count on 5	<input type="text"/>	12 count back 6	<input type="text"/>
12	13	14	<input type="text"/>	<input type="text"/>	8 count on 4	<input type="text"/>	19 count back 4	<input type="text"/>
13	12	11	<input type="text"/>	<input type="text"/>	20 count on 6	<input type="text"/>	20 count back 7	<input type="text"/>



## B

92	93	94	<input type="text"/>	<input type="text"/>	Count on		Count back	
					6 from 31	<input type="text"/>	5 from 28	<input type="text"/>
23	22	21	<input type="text"/>	<input type="text"/>	4 from 86	<input type="text"/>	4 from 95	<input type="text"/>
75	76	77	<input type="text"/>	<input type="text"/>	5 from 54	<input type="text"/>	3 from 30	<input type="text"/>
42	41	40	<input type="text"/>	<input type="text"/>	3 from 68	<input type="text"/>	6 from 45	<input type="text"/>
58	59	60	<input type="text"/>	<input type="text"/>	7 from 47	<input type="text"/>	4 from 72	<input type="text"/>



## C

105	106	107	<input type="text"/>	<input type="text"/>	Count on		Count back	
					8 from 67	<input type="text"/>	9 from 134	<input type="text"/>
732	731	730	<input type="text"/>	<input type="text"/>	6 from 249	<input type="text"/>	5 from 473	<input type="text"/>
566	567	568	<input type="text"/>	<input type="text"/>	13 from 144	<input type="text"/>	7 from 325	<input type="text"/>
403	402	401	<input type="text"/>	<input type="text"/>	9 from 362	<input type="text"/>	14 from 198	<input type="text"/>
297	298	299	<input type="text"/>	<input type="text"/>	11 from 493	<input type="text"/>	12 from 267	<input type="text"/>

# Sheet 4 Counting in tens

## A

Fill in the boxes.

50 60 70

50 40 30

20 30 40

100 90 80

Count on

2 tens from 60

4 tens from 20

3 tens from 70

2 tens from 30

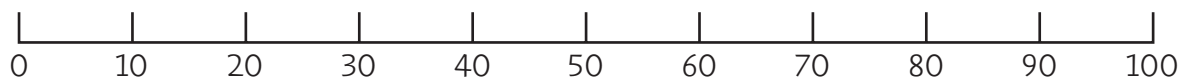
Count back

2 tens from 90

3 tens from 60

5 tens from 100

4 tens from 70



## B

Fill in the boxes.

63 53 43

7 17 27

45 35 25

48 58 68

92 82 72

Count on

40 from 16

20 from 61

50 from 45

30 from 42

60 from 17

Count back

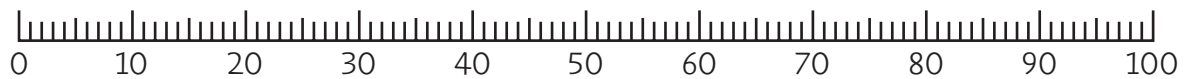
30 from 93

50 from 68

40 from 89

20 from 72

60 from 96



## C

Fill in the boxes.

170 180 190

332 322 312

517 527  547

174 184 194

226 216 206

Count on

30 from 80

50 from 135

60 from 257

20 from 199

40 from 406

Count back

40 from 210

30 from 173

70 from 342

60 from 128

50 from 604

# Sheet 5 Odd and even numbers

## A

Colour odd numbers.  
Ring even numbers.

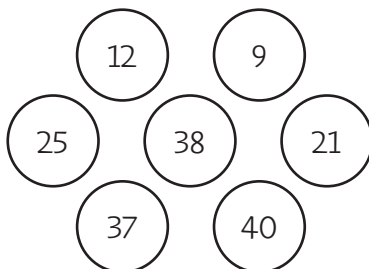
1	20
2	19
3	18
4	17
5	16
6	15
7	14
8	13
9	12
10	11

Fill in the boxes.

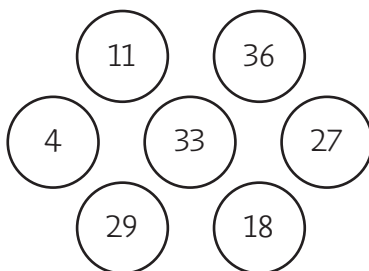
2	1
4	3
6	<input type="text"/>
<input type="text"/>	7
10	<input type="text"/>
<input type="text"/>	11
<input type="text"/>	<input type="text"/>
16	15
18	<input type="text"/>
<input type="text"/>	<input type="text"/>

## B

Colour the even numbers.



Colour the odd numbers.

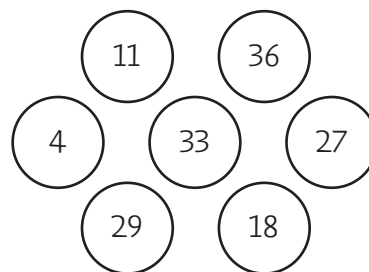


Fill in the boxes.

38	17
36	19
<input type="text"/>	<input type="text"/>
<input type="text"/>	23
30	<input type="text"/>
<input type="text"/>	<input type="text"/>
26	29
<input type="text"/>	<input type="text"/>
22	<input type="text"/>
<input type="text"/>	35

## C

Colour the numbers.  
even → red  
odd → blue



What odd number comes after:

6	70
<input type="text"/>	<input type="text"/>
23	35
<input type="text"/>	<input type="text"/>
59	82
<input type="text"/>	<input type="text"/>
48	67
<input type="text"/>	<input type="text"/>
14	91
<input type="text"/>	<input type="text"/>

What even number comes after:

24	56
<input type="text"/>	<input type="text"/>
61	39
<input type="text"/>	<input type="text"/>
95	83
<input type="text"/>	<input type="text"/>
78	42
<input type="text"/>	<input type="text"/>
40	97
<input type="text"/>	<input type="text"/>

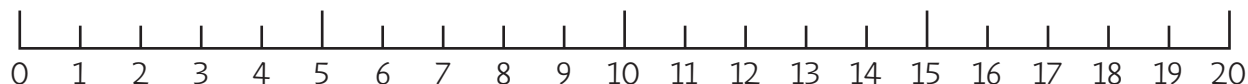
# Sheet 6 Number sequences

Fill in the boxes.

**A**

11	<input type="text" value="12"/>	13	<input type="text" value="14"/>	15
3	6	9	<input type="text"/>	<input type="text"/>
1	3	<input type="text"/>	<input type="text"/>	9
25	<input type="text"/>	15	10	<input type="text"/>
20	18	16	<input type="text"/>	<input type="text"/>

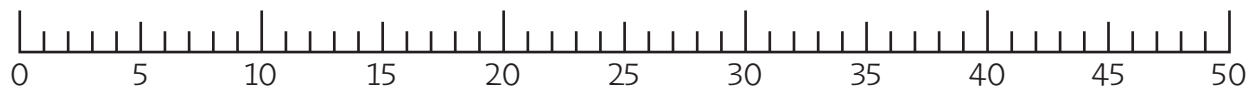
19	18	<input type="text"/>	<input type="text"/>	15
0	5	<input type="text"/>	<input type="text"/>	20
18	15	<input type="text"/>	9	<input type="text"/>
<input type="text"/>	17	15	13	<input type="text"/>
6	<input type="text"/>	10	<input type="text"/>	14



**B**

26	23	<input type="text"/>	17	<input type="text"/>
8	10	<input type="text"/>	<input type="text"/>	16
<input type="text"/>	<input type="text"/>	8	12	16
4	7	10	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	13	<input type="text"/>	23

<input type="text"/>	9	11	13	<input type="text"/>
2	6	10	<input type="text"/>	<input type="text"/>
36	31	<input type="text"/>	<input type="text"/>	16
21	18	15	<input type="text"/>	<input type="text"/>
1	6	<input type="text"/>	16	<input type="text"/>



**C**

9	<input type="text"/>	13	<input type="text"/>	17
3	<input type="text"/>	<input type="text"/>	33	43
1	5	<input type="text"/>	13	<input type="text"/>
6	106	<input type="text"/>	306	<input type="text"/>
8	<input type="text"/>	14	17	<input type="text"/>

2	7	<input type="text"/>	<input type="text"/>	22
0	6	12	<input type="text"/>	<input type="text"/>
100	<input type="text"/>	<input type="text"/>	40	20
98	<input type="text"/>	78	<input type="text"/>	58
30	26	<input type="text"/>	18	<input type="text"/>

# Sheet 7 Multiples

## A

Count in 2s.

Ring the numbers.

Count in 5s.

Colour the numbers.

Count in 10s.

Cross out the numbers.

1	②	3	④	5	6	7	8	9	<del>10</del>
20	19	18	17	16	15	14	13	12	11

TWOs 

2	4							
---	---	--	--	--	--	--	--	--

FIVES 

5			
---	--	--	--

 TENS 

10	
----	--

## B

Colour the multiples of 2.

④5	②6	
⑦4	⑥9	⑧0
⑤8	③1	

Colour the multiples of 5.

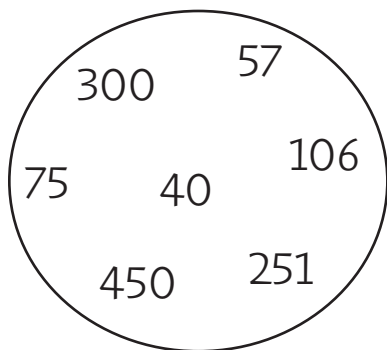
⑧7	⑦5	
③5	⑨0	⑤2
④3	②0	

Colour the multiples of 10.

⑦0	③4	
①6	②5	③0
⑥8	⑦0	

## C

Write down the numbers in the ring which are:



multiples of 2 

300			
-----	--	--	--

multiples of 5 

--	--	--	--

multiples of 10 

--	--	--

multiples of 50 

--	--

multiples of 100 

--

# Sheet 8 Reading and writing numbers

## A

Write in figures.

- sixteen
- nineteen
- eleven
- eighteen
- thirteen
- fifteen
- twelve
- twenty
- fourteen
- seventeen

Write in words.

- 11 *eleven* .....
- 12 .....
- 13 .....
- 14 .....
- 15 .....
- 16 .....
- 17 .....
- 18 .....

## B

Write in figures.

- seventy-five
- forty-two
- fifty-nine
- twenty-seven
- eighty-three
- thirty-eight
- ninety-six
- one hundred
- sixty-one
- fifty-four

Write in words.

- 52 .....
- 33 .....
- 76 .....
- 21 .....
- 94 .....
- 48 .....
- 89 .....
- 65 .....

## C

Write in figures.

- one hundred and eight
- two hundred and thirty
- five hundred and twenty-five
- three hundred and eighty-six
- nine hundred and and seventy-two

Write in words.

- 
- .....
- .....
- 
- .....
- .....
- 
- .....
- .....
- 
- .....
- .....



# Sheet 9 Place value

## A

Fill in the boxes.

$14 = \boxed{10} + 4$	$13 = \boxed{\phantom{00}} + 3$	$11 = \boxed{\phantom{00}} + 1$
$18 = 10 + \boxed{\phantom{00}}$	$12 = 10 + \boxed{\phantom{00}}$	$15 = 10 + \boxed{\phantom{00}}$
$16 = \boxed{\phantom{00}} + 6$	$23 = \boxed{\phantom{00}} + 3$	$19 = \boxed{\phantom{00}} + 9$
$21 = 20 + \boxed{\phantom{00}}$	$17 = 10 + \boxed{\phantom{00}}$	$20 = 20 + \boxed{\phantom{00}}$

---

## B

Fill in the boxes.

$24 = 20 + \boxed{4}$	$38 = \boxed{\phantom{00}} + 8$	$47 = 40 + \boxed{\phantom{00}}$
$87 = \boxed{\phantom{00}} + 7$	$71 = 70 + \boxed{\phantom{00}}$	$34 = \boxed{\phantom{00}} + 4$
$49 = 40 + \boxed{\phantom{00}}$	$96 = \boxed{\phantom{00}} + 6$	$72 = 70 + \boxed{\phantom{00}}$
$52 = \boxed{\phantom{00}} + 2$	$54 = 50 + \boxed{\phantom{00}}$	$58 = \boxed{\phantom{00}} + 8$
$65 = 60 + \boxed{\phantom{00}}$	$83 = \boxed{\phantom{00}} + 3$	$93 = 90 + \boxed{\phantom{00}}$

---

## C

Write the value of the underlined digit.

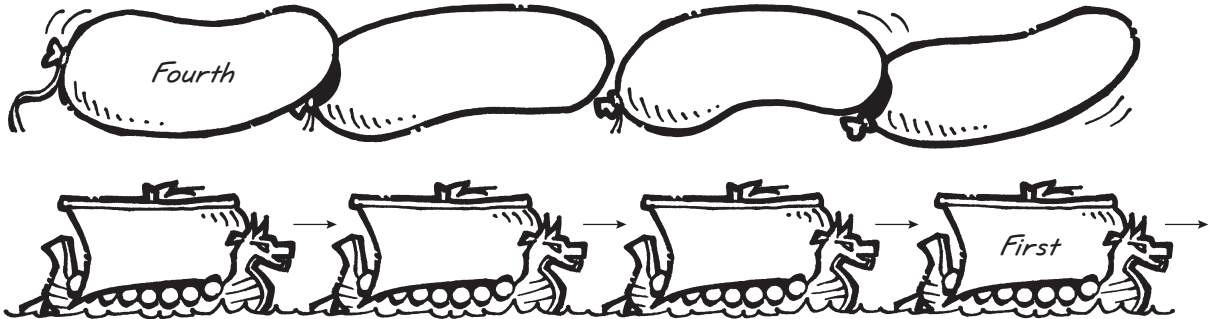
$\underline{5}24$ $\boxed{500}$	$94\underline{2}$ $\boxed{\phantom{00}}$	$8\underline{1}6$ $\boxed{\phantom{00}}$	$\underline{6}02$ $\boxed{\phantom{00}}$
$7\underline{4}7$ $\boxed{\phantom{00}}$	$2\underline{9}1$ $\boxed{\phantom{00}}$	$3\underline{5}0$ $\boxed{\phantom{00}}$	$19\underline{7}$ $\boxed{\phantom{00}}$
$3\underline{6}2$ $\boxed{\phantom{00}}$	$\underline{5}07$ $\boxed{\phantom{00}}$	$\underline{2}83$ $\boxed{\phantom{00}}$	$\underline{9}31$ $\boxed{\phantom{00}}$
$\underline{6}89$ $\boxed{\phantom{00}}$	$1\underline{7}4$ $\boxed{\phantom{00}}$	$42\underline{8}$ $\boxed{\phantom{00}}$	$57\underline{4}$ $\boxed{\phantom{00}}$
$9\underline{3}5$ $\boxed{\phantom{00}}$	$63\underline{9}$ $\boxed{\phantom{00}}$	$7\underline{6}5$ $\boxed{\phantom{00}}$	$34\underline{9}$ $\boxed{\phantom{00}}$

---

**Sheet 10 First, second, third ...**

**A**

Write the missing words.



**B**

a b c d e f g h i j k l m n o p

Write

the fifth letter

the seventh letter

the tenth letter

the twelfth letter

1st



Colour the counters.

second, sixth, ninth → yellow

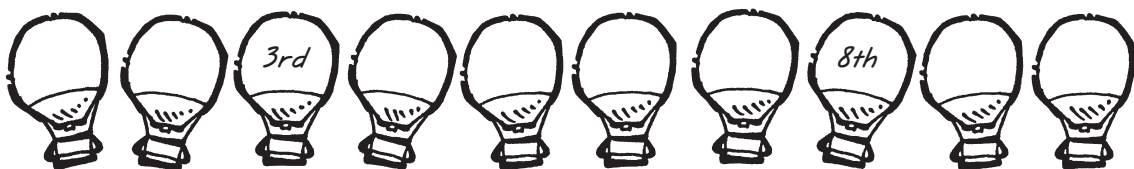
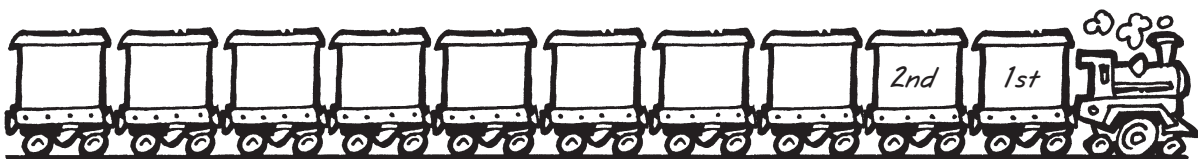
fourth, eighth, eleventh → blue

first, seventh, tenth → green

third, fifth, twelfth → red.

**C**

Write the missing positions.



# Sheet 11 Ordering numbers

## A

Colour the larger number.

<input type="radio"/> 12	or	<input type="radio"/> 14		<input type="radio"/> 20	or	<input type="radio"/> 18
<input type="radio"/> 15	or	<input type="radio"/> 8		<input type="radio"/> 14	or	<input type="radio"/> 15
<input type="radio"/> 13	or	<input type="radio"/> 16		<input type="radio"/> 17	or	<input type="radio"/> 16
<input type="radio"/> 11	or	<input type="radio"/> 9		<input type="radio"/> 19	or	<input type="radio"/> 21

Write the missing number.

3	<input type="text" value="4"/>	5	18	<input type="text"/>	20
17	<input type="text"/>	19	9	<input type="text"/>	11
8	<input type="text"/>	10	16	<input type="text"/>	18
12	<input type="text"/>	14	10	<input type="text"/>	12

## B

Colour the larger number.

<input type="radio"/> 34	or	<input type="radio"/> 28		<input type="radio"/> 48	or	<input type="radio"/> 84
<input type="radio"/> 49	or	<input type="radio"/> 52		<input type="radio"/> 32	or	<input type="radio"/> 23
<input type="radio"/> 67	or	<input type="radio"/> 73		<input type="radio"/> 69	or	<input type="radio"/> 96
<input type="radio"/> 89	or	<input type="radio"/> 90		<input type="radio"/> 57	or	<input type="radio"/> 75

Write the halfway number.

0	<input type="text" value="3"/>	6	10	<input type="text"/>	14
12	<input type="text"/>	20	3	<input type="text"/>	9
15	<input type="text"/>	19	20	<input type="text"/>	40
5	<input type="text"/>	15	0	<input type="text"/>	100

## C

Colour each group of three.  
Largest → red, smallest → blue

<input type="radio"/> 651	—	<input type="radio"/> 156	—	<input type="radio"/> 165
<input type="radio"/> 283	—	<input type="radio"/> 382	—	<input type="radio"/> 328
<input type="radio"/> 974	—	<input type="radio"/> 947	—	<input type="radio"/> 974
<input type="radio"/> 673	—	<input type="radio"/> 637	—	<input type="radio"/> 736

Write the halfway number.

20	<input type="text"/>	30	25	<input type="text"/>	35
100	<input type="text"/>	200	100	<input type="text"/>	120
80	<input type="text"/>	100	50	<input type="text"/>	60
0	<input type="text"/>	40	12	<input type="text"/>	32

# Sheet 12 1, 10 more or less

Fill in the boxes.

## A

1 more		1 less		10 more		10 less	
8	9	21	22	15			30
17			7	20			16
5			30	8			11
19			16	12			20
23			25	4			25

## B

$85 + 1 =$	<input type="text" value="86"/>	$40 + 1 =$	<input type="text"/>	$39 + 1 =$	<input type="text"/>	$96 + 1 =$	<input type="text"/>
$43 - 1 =$	<input type="text"/>	$30 - 1 =$	<input type="text"/>	$79 - 1 =$	<input type="text"/>	$54 - 1 =$	<input type="text"/>
$28 + 10 =$	<input type="text"/>	$79 + 10 =$	<input type="text"/>	$25 + 10 =$	<input type="text"/>	$82 + 10 =$	<input type="text"/>
$62 - 10 =$	<input type="text"/>	$54 - 10 =$	<input type="text"/>	$97 - 10 =$	<input type="text"/>	$45 - 10 =$	<input type="text"/>
$41 + 10 =$	<input type="text"/>	$86 - 10 =$	<input type="text"/>	$63 + 10 =$	<input type="text"/>	$38 - 10 =$	<input type="text"/>

## C

$339 + 1 =$	<input type="text"/>	<input type="text"/> + 1 = 462	$215 + 100 =$	<input type="text"/>
$873 - 1 =$	<input type="text"/>	<input type="text"/> - 1 = 234	$750 - 100 =$	<input type="text"/>
$246 + 10 =$	<input type="text"/>	<input type="text"/> + 10 = 598	<input type="text"/> + 100 = 671	
$180 - 10 =$	<input type="text"/>	<input type="text"/> - 10 = 123	<input type="text"/> - 100 = 307	
$335 + 10 =$	<input type="text"/>	<input type="text"/> - 10 = 857	<input type="text"/> + 100 = 924	

# Sheet 13 Writing numbers in order

## A

Put these numbers in order, smallest first.

8	2	14	5	10	<input type="text" value="2"/>	<input type="text" value="5"/>	<input type="text" value="8"/>	<input type="text" value="10"/>	<input type="text" value="14"/>
13	6	9	3	7	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	4	18	12	8	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
16	9	21	19	11	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24	15	18	13	20	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

---

## B

Put these numbers in order, starting with the smallest.

14	31	13	41	34	<input type="text" value="13"/>	<input type="text" value="14"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
37	18	54	26	49	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
25	17	71	27	52	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
49	60	39	94	44	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
87	92	29	82	78	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
45	54	43	35	53	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

---

## C

These are parts of a 100 square. Fill in the missing numbers.

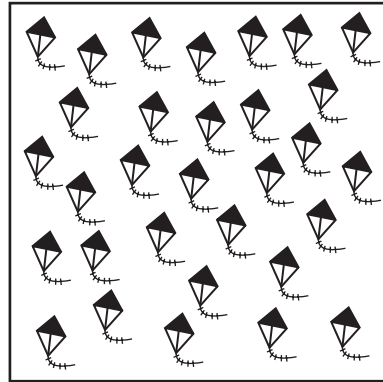
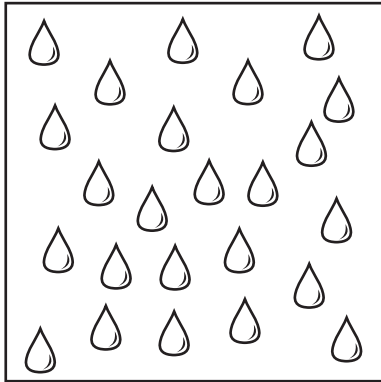
<table border="1" style="border-collapse: collapse; width: 150px; height: 150px;"> <tr><td></td><td></td><td></td></tr> <tr><td>16</td><td></td><td></td></tr> <tr><td></td><td></td><td>28</td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>				16					28										<table border="1" style="border-collapse: collapse; width: 150px; height: 150px;"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td>52</td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td>85</td></tr> </table>					52													85	<table border="1" style="border-collapse: collapse; width: 150px; height: 150px;"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td>35</td><td></td></tr> <tr><td></td><td></td><td>46</td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>					35				46									
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	52																																																							
		85																																																						
	35																																																							
		46																																																						

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# Sheet 14 Making estimates

Estimate and fill in the first box. Then count.

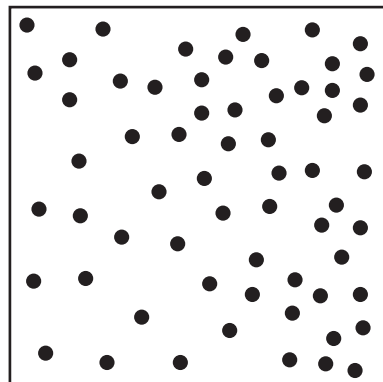
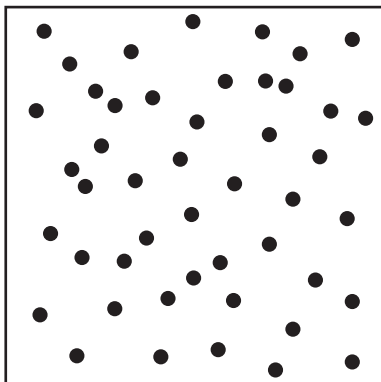
**A**



Estimate  Count

Estimate  Count

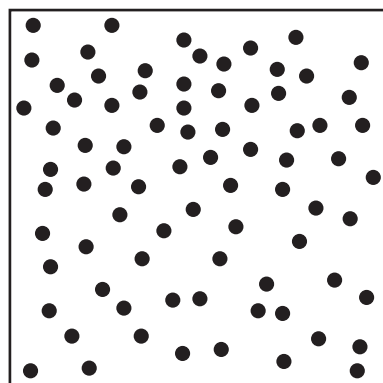
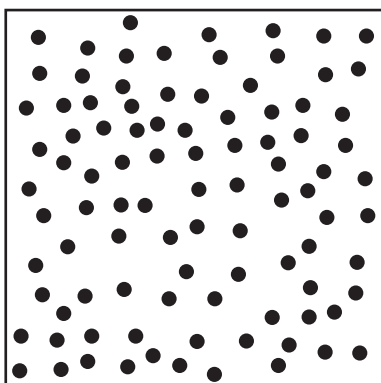
**B**



Estimate  Count

Estimate  Count

**C**



Estimate  Count

Estimate  Count

# Sheet 15 Rounding

## A

Match these numbers to their nearest 10.

( 3 )	( 24 )	( 7 )	( 13 )	( 19 )		( 5 )	( 14 )	( 1 )	( 17 )	( 9 )	
( 0 )	( 10 )	( 20 )				( 0 )	( 10 )	( 20 )			
( 11 )	( 16 )	( 2 )	( 18 )	( 6 )		( 4 )	( 12 )	( 15 )	( 21 )	( 8 )	

## B

Write the nearest 10 in the box.

32	30	78		87		96	
16	20	24		35		75	
67		91		23		18	
83		59		48		69	
45		62		54		33	

## C

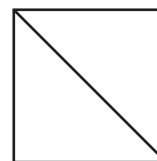
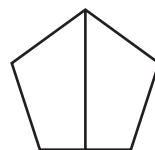
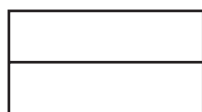
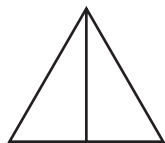
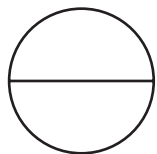
Round to the nearest 100.

174	200	435		684		708	
628		581		326		860	
392		946		153		614	
817		763		472		291	
250		209		545		957	

# Sheet 16 Fractions of shapes

## A

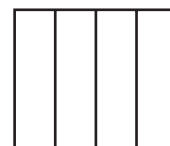
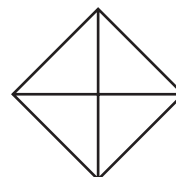
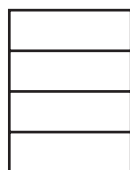
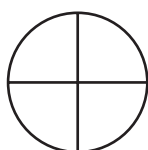
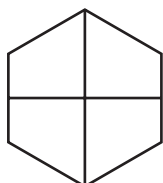
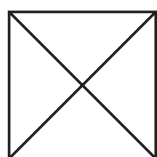
Colour one half.



How many halves make one whole one?

## B

Colour one quarter → red, one quarter → blue, one half → yellow.

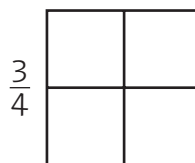
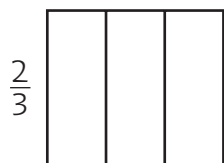


How many quarters make one whole one?

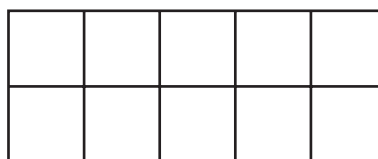
How many quarters make one half?

## C

Colour the fraction shown.



Colour one tenth → red  
one half → blue



How many tenths make one whole one?

How many tenths make one half?

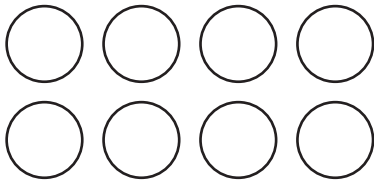


# Sheet 17 Fractions of numbers

Colour each set and fill in the boxes.

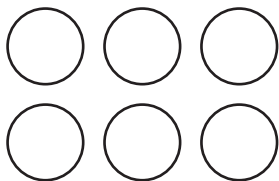
## A

Colour one half of each set.



$\frac{1}{2}$  of 8 =

.....



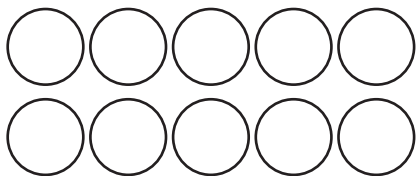
$\frac{1}{2}$  of 6 =

.....



$\frac{1}{2}$  of 2 =

.....



$\frac{1}{2}$  of 10 =

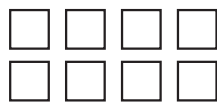
.....



$\frac{1}{2}$  of 4 =

## B

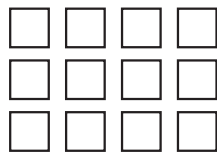
Colour one half → red  
one quarter → blue



$\frac{1}{2}$  of 8 =

$\frac{1}{4}$  of 8 =

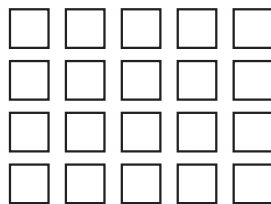
.....



$\frac{1}{2}$  of 12 =

$\frac{1}{4}$  of 12 =

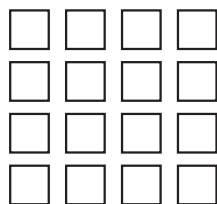
.....



$\frac{1}{2}$  of 20 =

$\frac{1}{4}$  of 20 =

.....

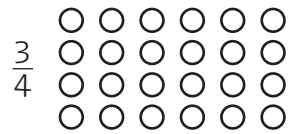


$\frac{1}{2}$  of 16 =

$\frac{1}{4}$  of 16 =

## C

Colour the fraction shown.



$\frac{3}{4}$  of 24 =

$\frac{3}{4}$  of 12 =

.....



$\frac{1}{10}$  of 30 =

$\frac{1}{10}$  of 60 =

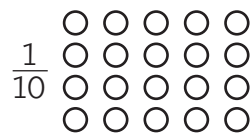
.....



$\frac{3}{4}$  of 20 =

$\frac{3}{4}$  of 40 =

.....



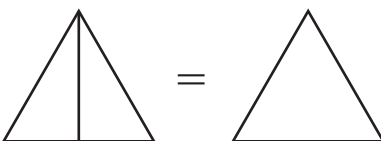
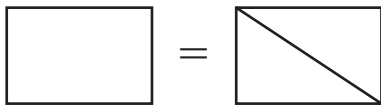
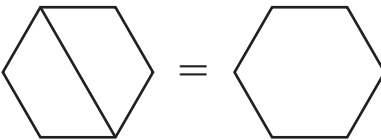
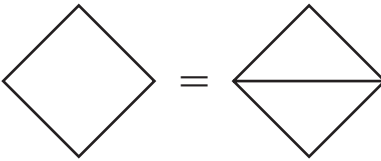
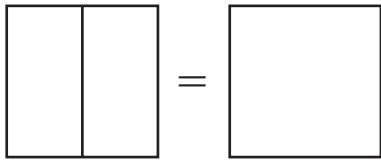
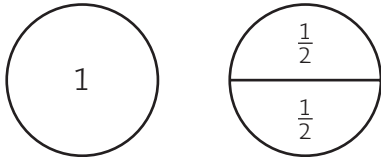
$\frac{1}{10}$  of 20 =

$\frac{1}{10}$  of 100 =

# Sheet 18 Comparing fractions

## A

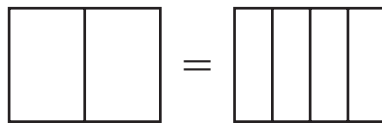
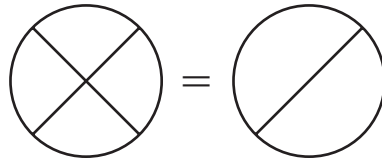
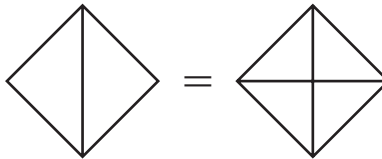
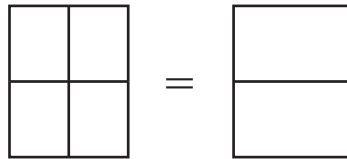
Write 1 or  $\frac{1}{2}$  in each shape or part of a shape.



One whole one equals  halves.

## B

Write  $\frac{1}{2}$  or  $\frac{1}{4}$  in each part of a shape.



Fill in the boxes.

$1 = \text{[ ]} \text{ quarters}$

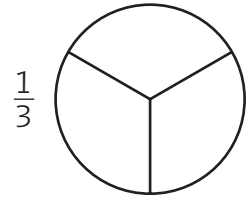
$1 = \frac{\text{[ ]}}{2} = \frac{\text{[ ]}}{4}$

$\frac{1}{2} = \text{[ ]} \text{ quarters}$

$\frac{1}{2} = \frac{\text{[ ]}}{4}$

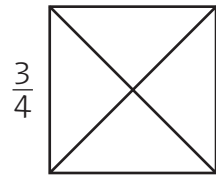
## C

Colour the fraction and fill in the boxes.



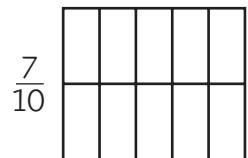
$\frac{\text{[ ]}}{3}$  is not coloured.

$1 = \frac{1}{3} + \frac{\text{[ ]}}{3}$



$\frac{\text{[ ]}}{4}$  is not coloured.

$1 = \frac{3}{4} + \frac{\text{[ ]}}{4}$



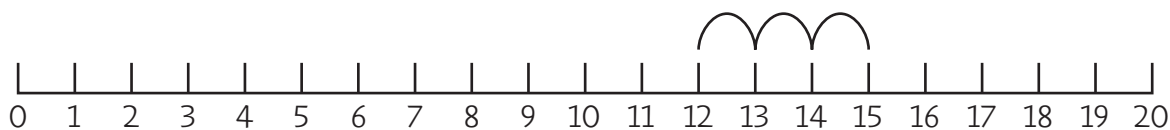
$\frac{\text{[ ]}}{10}$  is not coloured.

$1 = \frac{7}{10} + \frac{\text{[ ]}}{10}$

# Sheet 19 Number tracks

## A

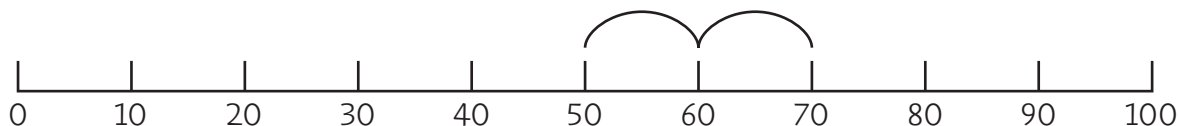
Fill in the boxes.



$12 + 3$	<input type="text" value="15"/>	$10 + 7$	<input type="text"/>	$15 + 3$	<input type="text"/>	$6 + 8$	<input type="text"/>
$16 + 2$	<input type="text"/>	$13 + 6$	<input type="text"/>	$9 + 7$	<input type="text"/>	$11 + 4$	<input type="text"/>
$8 + 5$	<input type="text"/>	$7 + 5$	<input type="text"/>	$18 + 2$	<input type="text"/>	$14 + 3$	<input type="text"/>
$17 + 3$	<input type="text"/>	$14 + 2$	<input type="text"/>	$10 + 5$	<input type="text"/>	$12 + 6$	<input type="text"/>

---

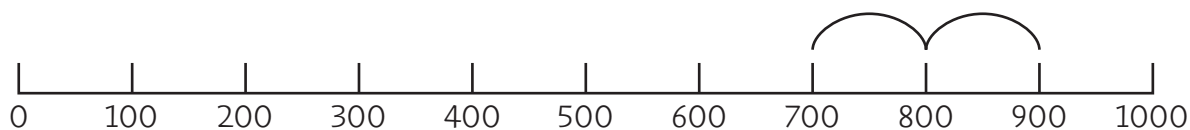
## B



$50 + 20$	<input type="text" value="70"/>	$60 + 40$	<input type="text"/>	$20 + 60$	<input type="text"/>	$30 + 30$	<input type="text"/>
$30 + 40$	<input type="text"/>	$10 + 50$	<input type="text"/>	$70 + 30$	<input type="text"/>	$40 + 20$	<input type="text"/>
$20 + 50$	<input type="text"/>	$40 + 40$	<input type="text"/>	$50 + 40$	<input type="text"/>	$60 + 30$	<input type="text"/>
$40 + 50$	<input type="text"/>	$30 + 20$	<input type="text"/>	$80 + 20$	<input type="text"/>	$10 + 70$	<input type="text"/>

---

## C



$700 + 200$	<input type="text" value="900"/>	$400 + 300$	<input type="text"/>	$500 + 200$	<input type="text"/>
$100 + 400$	<input type="text"/>	$200 + 600$	<input type="text"/>	$200 + 400$	<input type="text"/>
$300 + 300$	<input type="text"/>	$300 + 500$	<input type="text"/>	$700 + 300$	<input type="text"/>
$500 + 500$	<input type="text"/>	$600 + 400$	<input type="text"/>	$400 + 500$	<input type="text"/>

---

# Sheet 20 Addition problems

Fill in the boxes.

## A

Add 2 to 5.

8 plus 3

What is the sum of 7 and 3?

10 plus 8

How many are 6 and 2 altogether?

1 plus 12

The total of 5 and 4 is .

9 plus 5

What must I add to 7 to make 9?

4 plus 7

12 and 3 make  altogether?

6 plus 6

## B

1 add 35 to a number. The answer is 50. What is the number?

Find two numbers which have a sum of 15.

The total of 50 and 20 is .

6 plus  is 19.

1 add 10 to a number. The answer is 80. What is the number?

Find three numbers which make 10 altogether.

## C

plus 30 is 110.

Find three numbers which have these totals.

The sum of 46 and  is 56.

37

and 300 altogether is 800.

100

50 and  equals 100.

73

The total of  and 25 is 60.

46

19 added to  is 63.

# Sheet 21 How many more?

## A

How many more must be added to make the target number?

8

5 +

7 +

2 +

4 +

10

7 +

2 +

9 +

0 +

12

3 +

10 +

7 +

4 +

10

4 +

5 +

10 +

3 +

## B

100

60 +

10 +

50 +

20 +

20

18 +

11 +

4 +

13 +

100

70 +

40 +

90 +

80 +

50

20 +

25 +

47 +

10 +

## C

1000

600 +

800 +

100 +

500 +

100

87 +

64 +

29 +

45 +

500

300 +

150 +

420 +

50 +

72

42 +

19 +

68 +

10 +

# Sheet 22 Adding three numbers with apparatus

## A

Use a number line.  
Make 12 in 4 ways.

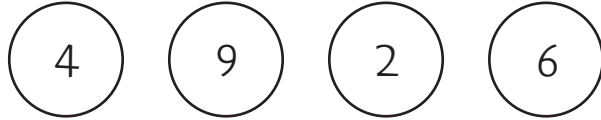
$$\square + \square + \square = 12$$

$$\square + \square + \square = 12$$

$$\square + \square + \square = 12$$

$$\square + \square + \square = 12$$

Use 3 of these numbers.



Make the 4 totals.

$$9 + 4 + 2 = 15$$

$$\square + \square + \square = 12$$

$$\square + \square + \square = 17$$

$$\square + \square + \square = 19$$

## B

Use coins to add up these shopping bills.

24p  
38p  
15p  
—

43p  
14p  
29p  
—

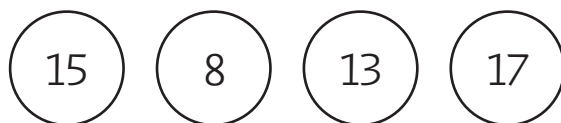
17p  
25p  
26p  
—

35p  
13p  
46p  
—

18p  
22p  
49p  
—

23p  
32p  
37p  
—

Use 3 of these numbers to  
make four different totals




## C

There are 10 different totals you can make using three of these numbers.

Can you find them all?




# Sheet 23 Adding three numbers mentally

Fill in the boxes.

## A

$2 + 2 + 4 = \boxed{8}$

$3 + 6 + 1 = \boxed{\phantom{00}}$

$3 + 7 + 2 = \boxed{\phantom{00}}$

$5 + 2 + 5 = \boxed{\phantom{00}}$

$3 + 2 + 5 = \boxed{\phantom{00}}$

$2 + 5 + 2 = \boxed{\phantom{00}}$

$3 + 1 + 5 = \boxed{\phantom{00}}$

$4 + 3 + 1 = \boxed{\phantom{00}}$

$4 + 3 + 5 = \boxed{\phantom{00}}$

$2 + 5 + 4 = \boxed{\phantom{00}}$

$2 + 6 + 3 = \boxed{\phantom{00}}$

$1 + 7 + 3 = \boxed{\phantom{00}}$

$1 + 7 + 4 = \boxed{\phantom{00}}$

$1 + 4 + 4 = \boxed{\phantom{00}}$

$3 + 4 + 3 = \boxed{\phantom{00}}$

$5 + 1 + 2 = \boxed{\phantom{00}}$

$2 + 3 + 4 = \boxed{\phantom{00}}$

$5 + 3 + 1 = \boxed{\phantom{00}}$

## B

$5 + 6 + 3 = \boxed{\phantom{00}}$

$9 + 3 + 7 = \boxed{\phantom{00}}$

$30 + 40 + \boxed{\phantom{00}} = 100$

$7 + 4 + 4 = \boxed{\phantom{00}}$

$4 + 5 + 4 = \boxed{\phantom{00}}$

$40 + 20 + \boxed{\phantom{00}} = 100$

$10 + 8 + 2 = \boxed{\phantom{00}}$

$3 + 5 + 8 = \boxed{\phantom{00}}$

$30 + 10 + \boxed{\phantom{00}} = 100$

$5 + 9 + 4 = \boxed{\phantom{00}}$

$8 + 4 + 6 = \boxed{\phantom{00}}$

$50 + 30 + \boxed{\phantom{00}} = 100$

$6 + 5 + 6 = \boxed{\phantom{00}}$

$7 + 7 + 5 = \boxed{\phantom{00}}$

$70 + 20 + \boxed{\phantom{00}} = 100$

$8 + 6 + 6 = \boxed{\phantom{00}}$

$2 + 9 + 6 = \boxed{\phantom{00}}$

$20 + 30 + \boxed{\phantom{00}} = 100$

## C

$12 + \boxed{\phantom{00}} + 3 = 20$

$\boxed{\phantom{00}} + 13 + 14 = 38$

$63 + \boxed{\phantom{00}} + 20 = 100$

$16 + 4 + \boxed{\phantom{00}} = 35$

$18 + \boxed{\phantom{00}} + 12 = 45$

$34 + 7 + \boxed{\phantom{00}} = 100$

$11 + 9 + \boxed{\phantom{00}} = 50$

$5 + 17 + \boxed{\phantom{00}} = 30$

$9 + 66 + \boxed{\phantom{00}} = 100$

$17 + \boxed{\phantom{00}} + 12 = 40$

$\boxed{\phantom{00}} + 14 + 11 = 36$

$46 + \boxed{\phantom{00}} + 11 = 100$

$15 + 15 + \boxed{\phantom{00}} = 42$

$24 + 19 + \boxed{\phantom{00}} = 48$

$\boxed{\phantom{00}} + 25 + 35 = 100$

$23 + \boxed{\phantom{00}} + 7 = 39$

$25 + \boxed{\phantom{00}} + 15 = 52$

$58 + \boxed{\phantom{00}} + 8 = 100$

# Sheet 24 Subtraction problems

## A

Write the missing numbers.

8 take away 5 is .

9 subtract 7

Subtract 4 from 10 to leave .

12 subtract 4

How many more than 9 is 11?

7 subtract 5

How many less than 7 is 3?

10 subtract 2

Take 6 from 9 to leave .

8 subtract 4

The difference between 8 and 2 is .

13 subtract 6

## B

14 taken from 19 is .

Find a pair of numbers with a difference of

50 subtract 20 is .

5  and

If I take  from 30 it leaves 28.

8  and

40 is  less than 100.

10  and

25 added to  is 32.

11  and

57 is  more than 50.

## C

10 taken from  is 24.

Find a pair of numbers with a difference of

Subtract  from 100 to leave 65.

20  and

added to 250 is 350.

14  and

is 12 less than 19.

25  and

62 is  more than 48.

19  and

subtract 5 is 93.



# Sheet 25 Finding differences

Find the difference between each pair of numbers.

## A

7 and 4	<input type="text" value="3"/>	4 and 10	<input type="text"/>	10 and 7	<input type="text"/>
2 and 6	<input type="text"/>	9 and 7	<input type="text"/>	4 and 9	<input type="text"/>
10 and 8	<input type="text"/>	6 and 10	<input type="text"/>	2 and 8	<input type="text"/>
5 and 9	<input type="text"/>	3 and 8	<input type="text"/>	9 and 6	<input type="text"/>
8 and 5	<input type="text"/>	6 and 3	<input type="text"/>	5 and 10	<input type="text"/>
3 and 9	<input type="text"/>	5 and 7	<input type="text"/>	8 and 4	<input type="text"/>

---

## B

13 and 16	<input type="text" value="3"/>	20 and 15	<input type="text"/>	12 and 22	<input type="text"/>
14 and 10	<input type="text"/>	11 and 19	<input type="text"/>	100 and 80	<input type="text"/>
9 and 11	<input type="text"/>	60 and 40	<input type="text"/>	17 and 21	<input type="text"/>
30 and 20	<input type="text"/>	15 and 25	<input type="text"/>	60 and 10	<input type="text"/>
14 and 3	<input type="text"/>	13 and 8	<input type="text"/>	12 and 18	<input type="text"/>
7 and 12	<input type="text"/>	20 and 50	<input type="text"/>	90 and 30	<input type="text"/>

---

## C

10 and 55	<input type="text" value="45"/>	56 and 43	<input type="text"/>	55 and 100	<input type="text"/>
42 and 38	<input type="text"/>	20 and 49	<input type="text"/>	24 and 9	<input type="text"/>
85 and 100	<input type="text"/>	100 and 35	<input type="text"/>	59 and 80	<input type="text"/>
64 and 7	<input type="text"/>	11 and 75	<input type="text"/>	1000 and 300	<input type="text"/>
600 and 1000	<input type="text"/>	36 and 20	<input type="text"/>	21 and 44	<input type="text"/>
36 and 16	<input type="text"/>	40 and 19	<input type="text"/>	60 and 45	<input type="text"/>

---

**Sheet 26 Addition facts**

Fill in the boxes.

**A**

$3 + 1$	<input type="text" value="4"/>	$2 + 4$	<input type="text"/>	$3 + 0$	<input type="text"/>	$4 + 1$	<input type="text"/>
$0 + 3$	<input type="text"/>	$1 + 3$	<input type="text"/>	$1 + 2$	<input type="text"/>	$3 + 3$	<input type="text"/>
$1 + 0$	<input type="text"/>	$5 + 1$	<input type="text"/>	$4 + 2$	<input type="text"/>	$0 + 2$	<input type="text"/>
$4 + 4$	<input type="text"/>	$3 + 2$	<input type="text"/>	$5 + 0$	<input type="text"/>	$2 + 1$	<input type="text"/>
$2 + 2$	<input type="text"/>	$0 + 6$	<input type="text"/>	$2 + 3$	<input type="text"/>	$1 + 5$	<input type="text"/>
$1 + 4$	<input type="text"/>	$1 + 1$	<input type="text"/>	$0 + 4$	<input type="text"/>	$3 + 4$	<input type="text"/>

---

**B**

$6 + 4$	<input type="text"/>	$2 + 5$	<input type="text"/>	$5 + 5$	<input type="text"/>	$6 + 2$	<input type="text"/>
$4 + 3$	<input type="text"/>	$8 + 1$	<input type="text"/>	$7 + 2$	<input type="text"/>	$9 + 1$	<input type="text"/>
$3 + 5$	<input type="text"/>	$7 + 3$	<input type="text"/>	$1 + 6$	<input type="text"/>	$5 + 3$	<input type="text"/>
$8 + 2$	<input type="text"/>	$2 + 6$	<input type="text"/>	$4 + 4$	<input type="text"/>	$3 + 6$	<input type="text"/>
$2 + 7$	<input type="text"/>	$4 + 5$	<input type="text"/>	$2 + 8$	<input type="text"/>	$1 + 7$	<input type="text"/>
$1 + 9$	<input type="text"/>	$0 + 8$	<input type="text"/>	$3 + 7$	<input type="text"/>	$5 + 4$	<input type="text"/>

---

**C**

$8 + 5$	<input type="text"/>	$4 + 14$	<input type="text"/>	$11 + 6$	<input type="text"/>	$9 + 5$	<input type="text"/>
$7 + 9$	<input type="text"/>	$6 + 9$	<input type="text"/>	$8 + 8$	<input type="text"/>	$7 + 8$	<input type="text"/>
$13 + 6$	<input type="text"/>	$5 + 7$	<input type="text"/>	$17 + 3$	<input type="text"/>	$6 + 12$	<input type="text"/>
$3 + 14$	<input type="text"/>	$8 + 6$	<input type="text"/>	$5 + 14$	<input type="text"/>	$13 + 7$	<input type="text"/>
$15 + 5$	<input type="text"/>	$9 + 11$	<input type="text"/>	$6 + 7$	<input type="text"/>	$9 + 4$	<input type="text"/>
$4 + 8$	<input type="text"/>	$12 + 5$	<input type="text"/>	$2 + 18$	<input type="text"/>	$8 + 9$	<input type="text"/>

---

**Sheet 27 Subtraction facts**

Fill in the boxes.

**A**

$6 - 1$	<input type="text" value="5"/>	$5 - 0$	<input type="text"/>	$1 - 1$	<input type="text"/>	$6 - 4$	<input type="text"/>
$2 - 0$	<input type="text"/>	$3 - 2$	<input type="text"/>	$6 - 5$	<input type="text"/>	$4 - 3$	<input type="text"/>
$5 - 2$	<input type="text"/>	$4 - 1$	<input type="text"/>	$4 - 2$	<input type="text"/>	$5 - 1$	<input type="text"/>
$4 - 4$	<input type="text"/>	$6 - 2$	<input type="text"/>	$5 - 4$	<input type="text"/>	$2 - 1$	<input type="text"/>
$6 - 6$	<input type="text"/>	$5 - 3$	<input type="text"/>	$3 - 1$	<input type="text"/>	$6 - 3$	<input type="text"/>
$4 - 3$	<input type="text"/>	$2 - 2$	<input type="text"/>	$4 - 0$	<input type="text"/>	$5 - 5$	<input type="text"/>

---

**B**

$10 - 1$	<input type="text"/>	$8 - 4$	<input type="text"/>	$9 - 5$	<input type="text"/>	$8 - 6$	<input type="text"/>
$8 - 2$	<input type="text"/>	$9 - 2$	<input type="text"/>	$7 - 6$	<input type="text"/>	$10 - 5$	<input type="text"/>
$7 - 3$	<input type="text"/>	$7 - 5$	<input type="text"/>	$10 - 2$	<input type="text"/>	$9 - 3$	<input type="text"/>
$10 - 7$	<input type="text"/>	$10 - 4$	<input type="text"/>	$8 - 5$	<input type="text"/>	$7 - 4$	<input type="text"/>
$9 - 6$	<input type="text"/>	$8 - 7$	<input type="text"/>	$9 - 4$	<input type="text"/>	$10 - 6$	<input type="text"/>
$8 - 8$	<input type="text"/>	$7 - 2$	<input type="text"/>	$10 - 3$	<input type="text"/>	$9 - 7$	<input type="text"/>

---

**C**

$20 - 5$	<input type="text"/>	$12 - 8$	<input type="text"/>	$18 - 5$	<input type="text"/>	$13 - 5$	<input type="text"/>
$14 - 6$	<input type="text"/>	$17 - 4$	<input type="text"/>	$19 - 13$	<input type="text"/>	$17 - 12$	<input type="text"/>
$15 - 9$	<input type="text"/>	$20 - 11$	<input type="text"/>	$15 - 6$	<input type="text"/>	$16 - 9$	<input type="text"/>
$18 - 14$	<input type="text"/>	$16 - 8$	<input type="text"/>	$14 - 9$	<input type="text"/>	$20 - 8$	<input type="text"/>
$19 - 7$	<input type="text"/>	$13 - 9$	<input type="text"/>	$20 - 17$	<input type="text"/>	$18 - 7$	<input type="text"/>
$20 - 18$	<input type="text"/>	$14 - 10$	<input type="text"/>	$18 - 16$	<input type="text"/>	$19 - 15$	<input type="text"/>

---

# Sheet 28 Making totals

Fill in the boxes.

## A

Make 10

$8 + \boxed{2}$

$3 + \boxed{\phantom{00}}$

$5 + \boxed{\phantom{00}}$

$1 + \boxed{\phantom{00}}$

$6 + \boxed{\phantom{00}}$

Make 12

$10 + \boxed{\phantom{00}}$

$6 + \boxed{\phantom{00}}$

$9 + \boxed{\phantom{00}}$

$5 + \boxed{\phantom{00}}$

$8 + \boxed{\phantom{00}}$

Make 10

$0 + \boxed{\phantom{00}}$

$7 + \boxed{\phantom{00}}$

$4 + \boxed{\phantom{00}}$

$9 + \boxed{\phantom{00}}$

$2 + \boxed{\phantom{00}}$

Make 15

$13 + \boxed{\phantom{00}}$

$5 + \boxed{\phantom{00}}$

$1 + \boxed{\phantom{00}}$

$11 + \boxed{\phantom{00}}$

$9 + \boxed{\phantom{00}}$

## B

Make 20

$15 + \boxed{\phantom{00}}$

$8 + \boxed{\phantom{00}}$

$11 + \boxed{\phantom{00}}$

$3 + \boxed{\phantom{00}}$

$14 + \boxed{\phantom{00}}$

Make 100

$70 + \boxed{\phantom{00}}$

$20 + \boxed{\phantom{00}}$

$60 + \boxed{\phantom{00}}$

$90 + \boxed{\phantom{00}}$

$0 + \boxed{\phantom{00}}$

Make 50

$30 + \boxed{\phantom{00}}$

$42 + \boxed{\phantom{00}}$

$3 + \boxed{\phantom{00}}$

$25 + \boxed{\phantom{00}}$

$39 + \boxed{\phantom{00}}$

Make 100

$50 + \boxed{\phantom{00}}$

$30 + \boxed{\phantom{00}}$

$100 + \boxed{\phantom{00}}$

$80 + \boxed{\phantom{00}}$

$10 + \boxed{\phantom{00}}$

## C

Make 1000

$500 + \boxed{\phantom{00}}$

$100 + \boxed{\phantom{00}}$

$800 + \boxed{\phantom{00}}$

$400 + \boxed{\phantom{00}}$

$300 + \boxed{\phantom{00}}$

Make 100

$85 + \boxed{\phantom{00}}$

$35 + \boxed{\phantom{00}}$

$95 + \boxed{\phantom{00}}$

$25 + \boxed{\phantom{00}}$

$45 + \boxed{\phantom{00}}$

Make 1000

$200 + \boxed{\phantom{00}}$

$900 + \boxed{\phantom{00}}$

$600 + \boxed{\phantom{00}}$

$1000 + \boxed{\phantom{00}}$

$700 + \boxed{\phantom{00}}$

Make 100

$75 + \boxed{\phantom{00}}$

$5 + \boxed{\phantom{00}}$

$15 + \boxed{\phantom{00}}$

$65 + \boxed{\phantom{00}}$

$55 + \boxed{\phantom{00}}$

# Sheet 29 Changing the order

Change the order and count on.

## A

$3 + 8 = \boxed{8} + \boxed{3} = \boxed{11}$

$3 + 9 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + 7 = \boxed{7} + \boxed{5} = \boxed{\phantom{00}}$

$6 + 7 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + 9 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$4 + 8 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$4 + 6 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$7 + 9 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + 8 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$6 + 8 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

## B

$3 + 18 = \boxed{18} + \boxed{3} = \boxed{\phantom{00}}$

$3 + 24 = \boxed{27}$

$20 + 40 = \boxed{\phantom{00}}$

$8 + 25 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$4 + 19 = \boxed{\phantom{00}}$

$30 + 50 = \boxed{\phantom{00}}$

$6 + 16 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + 28 = \boxed{\phantom{00}}$

$20 + 80 = \boxed{\phantom{00}}$

$7 + 27 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$7 + 15 = \boxed{\phantom{00}}$

$40 + 50 = \boxed{\phantom{00}}$

$5 + 14 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$9 + 26 = \boxed{\phantom{00}}$

$30 + 40 = \boxed{\phantom{00}}$

$2 + 29 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$8 + 17 = \boxed{\phantom{00}}$

$20 + 70 = \boxed{\phantom{00}}$

## C

$4 + 109 = \boxed{\phantom{00}}$

$7 + 154 = \boxed{\phantom{00}}$

$20 + 33 = \boxed{\phantom{00}}$

$20 + 58 = \boxed{\phantom{00}}$

$5 + 127 = \boxed{\phantom{00}}$

$8 + 148 = \boxed{\phantom{00}}$

$40 + 57 = \boxed{\phantom{00}}$

$30 + 61 = \boxed{\phantom{00}}$

$8 + 116 = \boxed{\phantom{00}}$

$9 + 115 = \boxed{\phantom{00}}$

$30 + 42 = \boxed{\phantom{00}}$

$40 + 46 = \boxed{\phantom{00}}$

$6 + 175 = \boxed{\phantom{00}}$

$5 + 186 = \boxed{\phantom{00}}$

$20 + 74 = \boxed{\phantom{00}}$

$20 + 65 = \boxed{\phantom{00}}$

$3 + 138 = \boxed{\phantom{00}}$

$6 + 169 = \boxed{\phantom{00}}$

$30 + 59 = \boxed{\phantom{00}}$

$30 + 63 = \boxed{\phantom{00}}$

$9 + 163 = \boxed{\phantom{00}}$

$4 + 137 = \boxed{\phantom{00}}$

$20 + 45 = \boxed{\phantom{00}}$

$40 + 52 = \boxed{\phantom{00}}$

# Sheet 30 Adding more than 2 numbers

## A

Add the first 2 numbers. Then add the last number.

$3 + 2 + 2 = \boxed{7}$

$2 + 2 + 1 = \boxed{\phantom{00}}$

$3 + 2 + 1 = \boxed{\phantom{00}}$

$4 + 2 + 2 = \boxed{\phantom{00}}$

$3 + 4 + 1 = \boxed{\phantom{00}}$

$4 + 2 + 1 = \boxed{\phantom{00}}$

$5 + 1 + 2 = \boxed{\phantom{00}}$

$5 + 3 + 2 = \boxed{\phantom{00}}$

$1 + 4 + 4 = \boxed{\phantom{00}}$

$1 + 3 + 2 = \boxed{\phantom{00}}$

$5 + 1 + 3 = \boxed{\phantom{00}}$

$3 + 1 + 3 = \boxed{\phantom{00}}$

$2 + 3 + 4 = \boxed{\phantom{00}}$

$3 + 2 + 3 = \boxed{\phantom{00}}$

$4 + 2 + 4 = \boxed{\phantom{00}}$

$2 + 5 + 2 = \boxed{\phantom{00}}$

## B

Start with the largest number.

$2 + 3 + 6 = \boxed{11}$

$4 + 2 + 9 = \boxed{\phantom{00}}$

$3 + 5 + 8 = \boxed{\phantom{00}}$

$5 + 2 + 7 = \boxed{\phantom{00}}$

$4 + 5 + 9 = \boxed{\phantom{00}}$

$3 + 4 + 8 = \boxed{\phantom{00}}$

$3 + 5 + 9 = \boxed{\phantom{00}}$

$4 + 1 + 7 = \boxed{\phantom{00}}$

Look for pairs that make 10.

$3 + 4 + 7 = \boxed{\phantom{00}}$

$5 + 8 + 2 = \boxed{\phantom{00}}$

$6 + 3 + 4 = \boxed{\phantom{00}}$

$4 + 9 + 1 = \boxed{\phantom{00}}$

$5 + 6 + 5 = \boxed{\phantom{00}}$

$8 + 7 + 3 = \boxed{\phantom{00}}$

$4 + 5 + 6 = \boxed{\phantom{00}}$

$9 + 2 + 8 = \boxed{\phantom{00}}$

## C

Fill in the boxes.

$8 + 17 + \boxed{\phantom{00}} = 35$

$11 + \boxed{\phantom{00}} + 9 = 26$

$\boxed{\phantom{00}} + 6 + 25 = 44$

$18 + 9 + \boxed{\phantom{00}} = 32$

$\boxed{\phantom{00}} + 23 + 7 = 50$

$16 + \boxed{\phantom{00}} + 14 = 59$

$5 + 19 + \boxed{\phantom{00}} = 31$

$\boxed{\phantom{00}} + 12 + 18 = 45$

$\boxed{\phantom{00}} + 14 + 7 = 51$

$8 + 6 + \boxed{\phantom{00}} = 35$

$19 + \boxed{\phantom{00}} + 8 = 43$

$7 + 5 + \boxed{\phantom{00}} = 37$

$28 + \boxed{\phantom{00}} + 22 = 55$

$\boxed{\phantom{00}} + 16 + 13 = 60$

$14 + \boxed{\phantom{00}} + 7 = 29$

$\boxed{\phantom{00}} + 33 + 9 = 62$

# Sheet 31 Partitioning

Fill in the boxes.

## A

$$5 \text{ plus } 7 = 5 \text{ plus } 5 + \boxed{2} = 10 + \boxed{2} = \boxed{12}$$

$$5 \text{ plus } 9 = 5 \text{ plus } 5 + \boxed{\phantom{00}} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$5 \text{ plus } 6 = 5 \text{ plus } 5 + \boxed{\phantom{00}} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$5 \text{ plus } 8 = 5 \text{ plus } 5 + \boxed{\phantom{00}} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

## B

$$13 + 14 = \boxed{20} + \boxed{7} = \boxed{\phantom{00}}$$

$$24 + 11 = \boxed{30} + \boxed{5} = \boxed{\phantom{00}}$$

$$16 + 12 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$16 + 23 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$14 + 15 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$13 + 23 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$12 + 14 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$22 + 15 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$11 + 18 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$14 + 24 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$15 + 13 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$27 + 12 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

## C

$$32 + 24 = \boxed{50} + \boxed{6} = \boxed{\phantom{00}}$$

$$34 + 41 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$46 + 41 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$42 + 26 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$33 + 32 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$53 + 44 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$24 + 25 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$26 + 53 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$65 + 33 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$55 + 33 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$52 + 27 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$31 + 65 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

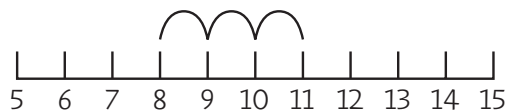
$$43 + 51 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$23 + 47 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

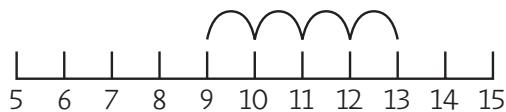
# Sheet 32 Finding a small difference - counting

## A

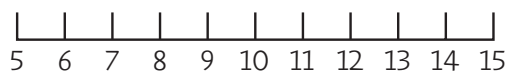
Draw the hops. Fill in the box.



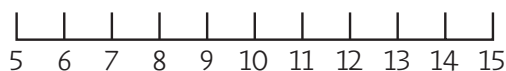
$11 - 8$



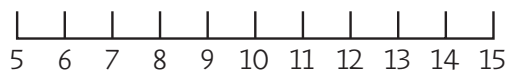
$13 - 9$



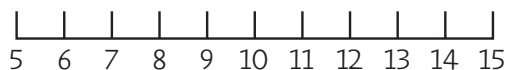
$11 - 6$



$13 - 8$



$12 - 7$



$10 - 8$

## B

Count up from the lower number. Fill in the box.

$23 - 19$

$63 - 57$

$36 - 28$

$44 - 37$

$50 - 47$

$91 - 83$

$83 - 78$

$71 - 66$

$31 - 29$

$72 - 65$

$25 - 17$

$53 - 45$

$42 - 38$

$54 - 49$

$92 - 87$

$82 - 79$

$84 - 76$

$43 - 34$

$64 - 58$

$35 - 28$

## C

Count up from the lower number. Fill in the boxes.

$122 - 118$

$503 - 496$

$402 - 394$

$103 - 97$

$302 - 293$

$706 - 698$

$204 - 199$

$801 - 795$

$601 - 592$

$405 - 398$

$204 - 196$

$505 - 499$

$301 - 297$

$900 - 897$

$803 - 798$



# Sheet 33 Using near doubles to add

Fill in the boxes.

## A

$$3 + 4 = \text{Double } \boxed{3} + \boxed{1}$$

$$= \boxed{6} + \boxed{1}$$

$$= \boxed{7}$$

$$4 + 5 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

$$2 + 3 = \text{Double } \boxed{2} + \boxed{1}$$

$$= \boxed{\phantom{00}} + \boxed{1}$$

$$= \boxed{\phantom{00}}$$

$$5 + 6 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

## B

$$6 + 7 = \text{Double } \boxed{6} + \boxed{1} = \boxed{13}$$

$$50 + 49 \quad \boxed{\phantom{00}}$$

$$8 + 9 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$8 + 9 \quad \boxed{\phantom{00}}$$

$$20 + 21 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$15 + 14 \quad \boxed{\phantom{00}}$$

$$25 + 26 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$30 + 29 \quad \boxed{\phantom{00}}$$

$$11 + 12 = \text{Double } \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$13 + 12 \quad \boxed{\phantom{00}}$$

## C

$$25 + 27 \quad \boxed{\phantom{00}}$$

$$51 + 52 = \text{Double } \boxed{50} + \boxed{1} + \boxed{2} = \boxed{103}$$

$$70 + 80 \quad \boxed{\phantom{00}}$$

$$19 + 16 = \text{Double } \boxed{20} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$45 + 43 \quad \boxed{\phantom{00}}$$

$$28 + 27 = \text{Double } \boxed{30} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$35 + 37 \quad \boxed{\phantom{00}}$$

$$18 + 19 = \text{Double } \boxed{20} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$60 + 70 \quad \boxed{\phantom{00}}$$

$$26 + 28 = \text{Double } \boxed{25} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

# Sheet 34 Adding 9, 19, 11, 21, etc

Fill in the boxes.

## A

$5 + 9 = \boxed{5} + \boxed{10} - \boxed{1} = \boxed{14}$

$7 + 9 = \boxed{16}$

$3 + 9 = \boxed{\phantom{00}} + \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$2 + 9 = \boxed{\phantom{00}}$

$9 + 9 = \boxed{\phantom{00}} + \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$6 + 9 = \boxed{\phantom{00}}$

$6 + 11 = \boxed{6} + \boxed{10} + \boxed{1} = \boxed{17}$

$3 + 11 = \boxed{\phantom{00}}$

$4 + 11 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + 11 = \boxed{\phantom{00}}$

$8 + 11 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$7 + 11 = \boxed{\phantom{00}}$

## B

$13 + 9 = \boxed{22}$

$54 + 19 = \boxed{54} + \boxed{20} - \boxed{1} = \boxed{73}$

$26 + 9 = \boxed{\phantom{00}}$

$68 + 19 = \boxed{\phantom{00}} + \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$19 + 9 = \boxed{\phantom{00}}$

$25 + 19 = \boxed{\phantom{00}} + \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$32 + 11 = \boxed{\phantom{00}}$

$36 + 21 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$27 + 11 = \boxed{\phantom{00}}$

$59 + 21 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$45 + 11 = \boxed{\phantom{00}}$

$74 + 21 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

## C

$43 + 39 = \boxed{\phantom{00}}$

$58 + 39 = \boxed{\phantom{00}}$

$45 + 21 = \boxed{\phantom{00}}$

$57 + 21 = \boxed{\phantom{00}}$

$66 + 29 = \boxed{\phantom{00}}$

$24 + 49 = \boxed{\phantom{00}}$

$28 + 31 = \boxed{\phantom{00}}$

$42 + 41 = \boxed{\phantom{00}}$

$27 + 59 = \boxed{\phantom{00}}$

$39 + 29 = \boxed{\phantom{00}}$

$53 + 41 = \boxed{\phantom{00}}$

$39 + 21 = \boxed{\phantom{00}}$

$35 + 49 = \boxed{\phantom{00}}$

$42 + 49 = \boxed{\phantom{00}}$

$36 + 51 = \boxed{\phantom{00}}$

$24 + 71 = \boxed{\phantom{00}}$

$49 + 29 = \boxed{\phantom{00}}$

$23 + 69 = \boxed{\phantom{00}}$

$44 + 31 = \boxed{\phantom{00}}$

$58 + 31 = \boxed{\phantom{00}}$

# Sheet 35 Subtracting 9, 19, 11, 21

Fill in the boxes.

## A

$16 - 9 = \boxed{16} - \boxed{10} + \boxed{1} = \boxed{7}$

$15 - 9 = \boxed{6}$

$13 - 9 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$17 - 9 = \boxed{\phantom{00}}$

$18 - 9 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$12 - 9 = \boxed{\phantom{00}}$

$17 - 11 = \boxed{17} - \boxed{10} - \boxed{1} = \boxed{6}$

$18 - 11 = \boxed{\phantom{00}}$

$14 - 11 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$13 - 11 = \boxed{\phantom{00}}$

$19 - 11 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$15 - 11 = \boxed{\phantom{00}}$

## B

$24 - 9 = \boxed{24} - \boxed{10} + \boxed{1} = \boxed{15}$

$38 - 9 = \boxed{\phantom{00}}$

$32 - 9 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$41 - 9 = \boxed{\phantom{00}}$

$57 - 9 = \boxed{\phantom{00}} - \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$76 - 9 = \boxed{\phantom{00}}$

$36 - 11 = \boxed{36} - \boxed{10} - \boxed{1} = \boxed{25}$

$25 - 11 = \boxed{\phantom{00}}$

$43 - 11 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$52 - 11 = \boxed{\phantom{00}}$

$68 - 11 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$87 - 11 = \boxed{\phantom{00}}$

## C

$73 - 29 = \boxed{\phantom{00}}$

$56 - 21 = \boxed{\phantom{00}}$

$87 - 59 = \boxed{\phantom{00}}$

$88 - 41 = \boxed{\phantom{00}}$

$58 - 39 = \boxed{\phantom{00}}$

$92 - 31 = \boxed{\phantom{00}}$

$94 - 39 = \boxed{\phantom{00}}$

$63 - 31 = \boxed{\phantom{00}}$

$75 - 49 = \boxed{\phantom{00}}$

$69 - 51 = \boxed{\phantom{00}}$

$61 - 49 = \boxed{\phantom{00}}$

$87 - 61 = \boxed{\phantom{00}}$

$69 - 29 = \boxed{\phantom{00}}$

$75 - 21 = \boxed{\phantom{00}}$

$52 - 29 = \boxed{\phantom{00}}$

$94 - 21 = \boxed{\phantom{00}}$

$86 - 39 = \boxed{\phantom{00}}$

$54 - 31 = \boxed{\phantom{00}}$

$78 - 39 = \boxed{\phantom{00}}$

$76 - 41 = \boxed{\phantom{00}}$

# Sheet 36 Using patterns

Use the patterns to help write the missing numbers.

## A

$10 + 0 = \boxed{10}$

$10 + 1 = \boxed{\phantom{00}}$

$10 + 2 = \boxed{\phantom{00}}$

$10 + 3 = \boxed{\phantom{00}}$

$10 + 4 = \boxed{\phantom{00}}$

$10 + 5 = \boxed{\phantom{00}}$

$9 - 0 = \boxed{9}$

$9 - 1 = \boxed{\phantom{00}}$

$9 - 2 = \boxed{\phantom{00}}$

$9 - 3 = \boxed{\phantom{00}}$

$9 - 4 = \boxed{\phantom{00}}$

$9 - 5 = \boxed{\phantom{00}}$

$0 + \boxed{7} = 7$

$1 + \boxed{\phantom{00}} = 7$

$2 + \boxed{\phantom{00}} = 7$

$3 + \boxed{\phantom{00}} = 7$

$4 + \boxed{\phantom{00}} = 7$

$5 + \boxed{\phantom{00}} = 7$

## B

$3 + 6 = \boxed{9}$

$13 + 6 = \boxed{\phantom{00}}$

$23 + 6 = \boxed{\phantom{00}}$

$33 + 6 = \boxed{\phantom{00}}$

$43 + 6 = \boxed{\phantom{00}}$

$53 + 6 = \boxed{\phantom{00}}$

$9 - 4 = \boxed{5}$

$19 - 4 = \boxed{\phantom{00}}$

$29 - 4 = \boxed{\phantom{00}}$

$39 - 4 = \boxed{\phantom{00}}$

$49 - 4 = \boxed{\phantom{00}}$

$59 - 4 = \boxed{\phantom{00}}$

$2 + 4 = \boxed{\phantom{00}}$

$20 + 40 = \boxed{\phantom{00}}$

$200 + 400 = \boxed{\phantom{00}}$

$5 + 3 = \boxed{\phantom{00}}$

$50 + 30 = \boxed{\phantom{00}}$

$500 + 300 = \boxed{\phantom{00}}$

## C

$15 + 2 = \boxed{\phantom{00}}$

$15 + 12 = \boxed{\phantom{00}}$

$15 + 22 = \boxed{\phantom{00}}$

$15 + 32 = \boxed{\phantom{00}}$

$15 + 42 = \boxed{\phantom{00}}$

$15 + 52 = \boxed{\phantom{00}}$

$87 - 3 = \boxed{\phantom{00}}$

$87 - 13 = \boxed{\phantom{00}}$

$87 - 23 = \boxed{\phantom{00}}$

$87 - 33 = \boxed{\phantom{00}}$

$87 - 43 = \boxed{\phantom{00}}$

$87 - 53 = \boxed{\phantom{00}}$

$7 + 6 = \boxed{\phantom{00}}$

$70 + 60 = \boxed{\phantom{00}}$

$700 + 600 = \boxed{\phantom{00}}$

$9 + 8 = \boxed{\phantom{00}}$

$90 + 80 = \boxed{\phantom{00}}$

$900 + 800 = \boxed{\phantom{00}}$

# Sheet 37 Addition/subtraction relationship

Write the missing numbers. Use the 3 given numbers only.

## A

$2 + 3 = \boxed{5}$

$4 + 6 = \boxed{\phantom{00}}$

$7 + 9 = \boxed{\phantom{00}}$

$3 + 2 = \boxed{\phantom{00}}$

$6 + 4 = \boxed{\phantom{00}}$

$9 + 7 = \boxed{\phantom{00}}$

$5 - 3 = \boxed{\phantom{00}}$

$10 - 6 = \boxed{\phantom{00}}$

$16 - 9 = \boxed{\phantom{00}}$

$5 - 2 = \boxed{\phantom{00}}$

$10 - 4 = \boxed{\phantom{00}}$

$16 - 7 = \boxed{\phantom{00}}$

## B

$6 + 2 = 8$

$19 - 5 = 14$

$8 + 5 = \boxed{\phantom{00}}$

$2 + \boxed{\phantom{00}} = 8$

$19 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$5 + \boxed{\phantom{00}} = 13$

$8 - \boxed{\phantom{00}} = 6$

$10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$13 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$8 - \boxed{\phantom{00}} = 2$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

## C

$17 + 6 = \boxed{\phantom{00}}$

$70 - 24 = \boxed{\phantom{00}}$

$59 + 93 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$36 - \boxed{\phantom{00}} = 16$

$37 + \boxed{\phantom{00}} = 100$

$\boxed{\phantom{00}} - 55 = 21$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

# Sheet 38 Adding single digit numbers

Fill in the boxes.

## A

$13 + 4 = 10 + \boxed{7} = \boxed{17}$	$18 + 2 = \boxed{20}$	$16 + 3 = \boxed{\phantom{00}}$
$14 + 2 = 10 + \boxed{6} = \boxed{\phantom{00}}$	$13 + 3 = \boxed{\phantom{00}}$	$14 + 6 = \boxed{\phantom{00}}$
$15 + 3 = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$12 + 6 = \boxed{\phantom{00}}$	$15 + 2 = \boxed{\phantom{00}}$
$12 + 5 = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$14 + 5 = \boxed{\phantom{00}}$	$13 + 5 = \boxed{\phantom{00}}$
$15 + 4 = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$11 + 7 = \boxed{\phantom{00}}$	$12 + 7 = \boxed{\phantom{00}}$

---

## B

$32 + 3$	$\boxed{35}$	$93 + 3$	$\boxed{\phantom{00}}$	$24 + 3$	$\boxed{\phantom{00}}$	$62 + 7$	$\boxed{\phantom{00}}$
$83 + 5$	$\boxed{\phantom{00}}$	$64 + 5$	$\boxed{\phantom{00}}$	$36 + 2$	$\boxed{\phantom{00}}$	$55 + 2$	$\boxed{\phantom{00}}$
$20 + 4$	$\boxed{\phantom{00}}$	$59 + 1$	$\boxed{\phantom{00}}$	$61 + 6$	$\boxed{\phantom{00}}$	$72 + 5$	$\boxed{\phantom{00}}$
$78 + 2$	$\boxed{\phantom{00}}$	$90 + 7$	$\boxed{\phantom{00}}$	$47 + 3$	$\boxed{\phantom{00}}$	$24 + 6$	$\boxed{\phantom{00}}$
$42 + 6$	$\boxed{\phantom{00}}$	$73 + 4$	$\boxed{\phantom{00}}$	$35 + 4$	$\boxed{\phantom{00}}$	$85 + 3$	$\boxed{\phantom{00}}$
$51 + 7$	$\boxed{\phantom{00}}$	$87 + 2$	$\boxed{\phantom{00}}$	$96 + 1$	$\boxed{\phantom{00}}$	$31 + 4$	$\boxed{\phantom{00}}$

---

## C

$124 + 3$	$\boxed{127}$	$436 + 1$	$\boxed{\phantom{00}}$	$542 + 8$	$\boxed{\phantom{00}}$
$235 + 5$	$\boxed{\phantom{00}}$	$572 + 7$	$\boxed{\phantom{00}}$	$425 + 3$	$\boxed{\phantom{00}}$
$354 + 4$	$\boxed{\phantom{00}}$	$387 + 3$	$\boxed{\phantom{00}}$	$274 + 5$	$\boxed{\phantom{00}}$
$243 + 2$	$\boxed{\phantom{00}}$	$265 + 2$	$\boxed{\phantom{00}}$	$326 + 2$	$\boxed{\phantom{00}}$
$174 + 6$	$\boxed{\phantom{00}}$	$133 + 4$	$\boxed{\phantom{00}}$	$686 + 4$	$\boxed{\phantom{00}}$
$393 + 3$	$\boxed{\phantom{00}}$	$752 + 6$	$\boxed{\phantom{00}}$	$163 + 7$	$\boxed{\phantom{00}}$

---

# Sheet 39 Subtracting single digit numbers

Fill in the boxes.

## A

$15 - 3$	<input type="text" value="12"/>	$16 - 3$	<input type="text"/>	$15 - 2$	<input type="text"/>	$16 - 2$	<input type="text"/>
$19 - 5$	<input type="text"/>	$17 - 5$	<input type="text"/>	$18 - 3$	<input type="text"/>	$18 - 6$	<input type="text"/>
$14 - 1$	<input type="text"/>	$19 - 2$	<input type="text"/>	$17 - 6$	<input type="text"/>	$15 - 5$	<input type="text"/>
$17 - 2$	<input type="text"/>	$16 - 5$	<input type="text"/>	$14 - 2$	<input type="text"/>	$17 - 3$	<input type="text"/>
$18 - 4$	<input type="text"/>	$19 - 7$	<input type="text"/>	$19 - 4$	<input type="text"/>	$19 - 8$	<input type="text"/>

---

## B

$36 - 4$	<input type="text" value="32"/>	$85 - 4$	<input type="text"/>	$50 - 5$	<input type="text"/>	$20 - 1$	<input type="text"/>
$58 - 5$	<input type="text"/>	$66 - 2$	<input type="text"/>	$68 - 6$	<input type="text"/>	$69 - 7$	<input type="text"/>
$40 - 1$	<input type="text"/>	$90 - 7$	<input type="text"/>	$27 - 2$	<input type="text"/>	$87 - 5$	<input type="text"/>
$79 - 6$	<input type="text"/>	$39 - 3$	<input type="text"/>	$49 - 8$	<input type="text"/>	$30 - 9$	<input type="text"/>
$27 - 3$	<input type="text"/>	$47 - 4$	<input type="text"/>	$58 - 4$	<input type="text"/>	$78 - 3$	<input type="text"/>
$34 - 2$	<input type="text"/>	$70 - 1$	<input type="text"/>	$36 - 3$	<input type="text"/>	$50 - 4$	<input type="text"/>

---

## C

$200 - 3$	<input type="text" value="197"/>	$159 - 4$	<input type="text"/>	$567 - 2$	<input type="text"/>
$600 - 8$	<input type="text"/>	$970 - 6$	<input type="text"/>	$829 - 8$	<input type="text"/>
$300 - 5$	<input type="text"/>	$415 - 3$	<input type="text"/>	$380 - 7$	<input type="text"/>
$800 - 1$	<input type="text"/>	$748 - 5$	<input type="text"/>	$936 - 3$	<input type="text"/>
$500 - 6$	<input type="text"/>	$237 - 2$	<input type="text"/>	$618 - 4$	<input type="text"/>
$400 - 7$	<input type="text"/>	$620 - 9$	<input type="text"/>	$249 - 5$	<input type="text"/>

---

# Sheet 40 Adding teen numbers

Fill in the boxes.

## A

$13 + 11 = \boxed{23} + \boxed{1} = \boxed{24}$

$11 + 12 = \boxed{23}$

$10 + 15 = \boxed{\phantom{00}}$

$12 + 13 = \boxed{22} + \boxed{3} = \boxed{\phantom{00}}$

$16 + 13 = \boxed{\phantom{00}}$

$15 + 14 = \boxed{\phantom{00}}$

$15 + 12 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$10 + 18 = \boxed{\phantom{00}}$

$14 + 13 = \boxed{\phantom{00}}$

$14 + 16 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$13 + 14 = \boxed{\phantom{00}}$

$11 + 15 = \boxed{\phantom{00}}$

$13 + 15 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$12 + 18 = \boxed{\phantom{00}}$

$12 + 17 = \boxed{\phantom{00}}$

## B

$47 + 12 = \boxed{\phantom{00}}$

$24 + 12 = \boxed{\phantom{00}}$

$35 + 14 = \boxed{\phantom{00}}$

$34 + 13 = \boxed{\phantom{00}}$

$30 + 14 = \boxed{\phantom{00}}$

$86 + 14 = \boxed{\phantom{00}}$

$40 + 18 = \boxed{\phantom{00}}$

$23 + 17 = \boxed{\phantom{00}}$

$65 + 13 = \boxed{\phantom{00}}$

$53 + 15 = \boxed{\phantom{00}}$

$21 + 19 = \boxed{\phantom{00}}$

$46 + 12 = \boxed{\phantom{00}}$

$72 + 15 = \boxed{\phantom{00}}$

$60 + 17 = \boxed{\phantom{00}}$

$63 + 14 = \boxed{\phantom{00}}$

$74 + 15 = \boxed{\phantom{00}}$

$56 + 13 = \boxed{\phantom{00}}$

$32 + 16 = \boxed{\phantom{00}}$

$45 + 15 = \boxed{\phantom{00}}$

$51 + 16 = \boxed{\phantom{00}}$

$80 + 16 = \boxed{\phantom{00}}$

$67 + 13 = \boxed{\phantom{00}}$

$52 + 12 = \boxed{\phantom{00}}$

$64 + 14 = \boxed{\phantom{00}}$

## C

$34 + 21 = \boxed{\phantom{00}}$

$52 + 34 = \boxed{\phantom{00}}$

$62 + 28 = \boxed{\phantom{00}}$

$44 + 42 = \boxed{\phantom{00}}$

$66 + 32 = \boxed{\phantom{00}}$

$60 + 43 = \boxed{\phantom{00}}$

$54 + 35 = \boxed{\phantom{00}}$

$33 + 24 = \boxed{\phantom{00}}$

$43 + 37 = \boxed{\phantom{00}}$

$53 + 26 = \boxed{\phantom{00}}$

$46 + 33 = \boxed{\phantom{00}}$

$55 + 32 = \boxed{\phantom{00}}$

$70 + 36 = \boxed{\phantom{00}}$

$41 + 47 = \boxed{\phantom{00}}$

$57 + 41 = \boxed{\phantom{00}}$

$71 + 26 = \boxed{\phantom{00}}$

$45 + 25 = \boxed{\phantom{00}}$

$50 + 22 = \boxed{\phantom{00}}$

$55 + 24 = \boxed{\phantom{00}}$

$63 + 25 = \boxed{\phantom{00}}$

$61 + 28 = \boxed{\phantom{00}}$

$35 + 33 = \boxed{\phantom{00}}$

$63 + 32 = \boxed{\phantom{00}}$

$42 + 37 = \boxed{\phantom{00}}$



# Sheet 41 Subtracting teen numbers

Fill in the boxes.

## A

$17 - 6 = \boxed{10} + \boxed{1} = \boxed{11}$	$18 - 6 = \boxed{12}$	$10 - 3 = \boxed{\phantom{00}}$
$15 - 2 = \boxed{10} + \boxed{3} = \boxed{\phantom{00}}$	$14 - 3 = \boxed{\phantom{00}}$	$10 - 8 = \boxed{\phantom{00}}$
$19 - 5 = \boxed{10} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$19 - 4 = \boxed{\phantom{00}}$	$20 - 6 = \boxed{\phantom{00}}$
$16 - 4 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$17 - 4 = \boxed{\phantom{00}}$	$20 - 5 = \boxed{\phantom{00}}$
$18 - 2 = \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$15 - 3 = \boxed{\phantom{00}}$	$20 - 2 = \boxed{\phantom{00}}$

---

## B

$24 - 12 = \boxed{24} - \boxed{10} - \boxed{2} = \boxed{12}$	$57 - 12 = \boxed{45}$
$39 - 14 = \boxed{39} - \boxed{10} - \boxed{4} = \boxed{\phantom{00}}$	$60 - 18 = \boxed{\phantom{00}}$
$40 - 16 = \boxed{40} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$26 - 13 = \boxed{\phantom{00}}$
$28 - 15 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$35 - 14 = \boxed{\phantom{00}}$
$27 - 16 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$30 - 17 = \boxed{\phantom{00}}$
$50 - 13 = \boxed{\phantom{00}} - \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$48 - 12 = \boxed{\phantom{00}}$

---

## C

$35 - 23$	$\boxed{12}$	$98 - 26$	$\boxed{\phantom{00}}$	$76 - 54$	$\boxed{\phantom{00}}$	$79 - 45$	$\boxed{\phantom{00}}$
$70 - 35$	$\boxed{\phantom{00}}$	$57 - 33$	$\boxed{\phantom{00}}$	$98 - 43$	$\boxed{\phantom{00}}$	$86 - 21$	$\boxed{\phantom{00}}$
$89 - 46$	$\boxed{\phantom{00}}$	$80 - 41$	$\boxed{\phantom{00}}$	$67 - 36$	$\boxed{\phantom{00}}$	$60 - 38$	$\boxed{\phantom{00}}$
$76 - 25$	$\boxed{\phantom{00}}$	$89 - 72$	$\boxed{\phantom{00}}$	$90 - 67$	$\boxed{\phantom{00}}$	$87 - 52$	$\boxed{\phantom{00}}$
$68 - 42$	$\boxed{\phantom{00}}$	$47 - 25$	$\boxed{\phantom{00}}$	$89 - 34$	$\boxed{\phantom{00}}$	$99 - 63$	$\boxed{\phantom{00}}$
$49 - 24$	$\boxed{\phantom{00}}$	$66 - 43$	$\boxed{\phantom{00}}$	$36 - 22$	$\boxed{\phantom{00}}$	$50 - 37$	$\boxed{\phantom{00}}$

---

**Sheet 42 Adding 10**

Fill in the boxes.

**A**

$2 + 10 = \boxed{12}$

$\boxed{6} + 10 = 16$

$8 + 10 = \boxed{\phantom{00}}$

$5 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 11$

$6 + 10 = \boxed{\phantom{00}}$

$7 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 19$

$5 + 10 = \boxed{\phantom{00}}$

$3 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 14$

$1 + 10 = \boxed{\phantom{00}}$

$9 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 12$

$4 + 10 = \boxed{\phantom{00}}$

**B**

$34 + 10 = \boxed{44}$

$\boxed{\phantom{00}} + 10 = 93$

$47 + 10 = \boxed{\phantom{00}}$

$21 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 58$

$82 + 10 = \boxed{\phantom{00}}$

$53 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 82$

$39 + 10 = \boxed{\phantom{00}}$

$65 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 36$

$64 + 10 = \boxed{\phantom{00}}$

$78 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 44$

$56 + 10 = \boxed{\phantom{00}}$

$89 + 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + 10 = 71$

$75 + 10 = \boxed{\phantom{00}}$

**C**

$129 + 10 = \boxed{139}$

$\boxed{\phantom{000}} + 10 = 285$

$293 + 10 = \boxed{\phantom{000}}$

$292 + 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} + 10 = 439$

$541 + 10 = \boxed{\phantom{000}}$

$318 + 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} + 10 = 101$

$376 + 10 = \boxed{\phantom{000}}$

$254 + 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} + 10 = 667$

$595 + 10 = \boxed{\phantom{000}}$

$537 + 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} + 10 = 346$

$482 + 10 = \boxed{\phantom{000}}$

$763 + 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} + 10 = 924$

$658 + 10 = \boxed{\phantom{000}}$

**Sheet 43 Subtracting 10**

Fill in the boxes.

**A**

$16 - 10 = \boxed{6}$

$\boxed{14} - 10 = 4$

$13 - 10 = \boxed{\phantom{00}}$

$11 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 9$

$17 - 10 = \boxed{\phantom{00}}$

$18 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 2$

$19 - 10 = \boxed{\phantom{00}}$

$15 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 7$

$14 - 10 = \boxed{\phantom{00}}$

$12 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 5$

$20 - 10 = \boxed{\phantom{00}}$

**B**

$32 - 10 = \boxed{22}$

$\boxed{\phantom{00}} - 10 = 28$

$64 - 10 = \boxed{\phantom{00}}$

$45 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 71$

$98 - 10 = \boxed{\phantom{00}}$

$77 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 49$

$41 - 10 = \boxed{\phantom{00}}$

$53 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 84$

$86 - 10 = \boxed{\phantom{00}}$

$29 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 55$

$52 - 10 = \boxed{\phantom{00}}$

$66 - 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} - 10 = 33$

$37 - 10 = \boxed{\phantom{00}}$

**C**

$164 - 10 = \boxed{154}$

$\boxed{\phantom{000}} - 10 = 195$

$232 - 10 = \boxed{\phantom{000}}$

$106 - 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} - 10 = 358$

$109 - 10 = \boxed{\phantom{000}}$

$521 - 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} - 10 = 271$

$485 - 10 = \boxed{\phantom{000}}$

$308 - 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} - 10 = 497$

$607 - 10 = \boxed{\phantom{000}}$

$253 - 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} - 10 = 625$

$564 - 10 = \boxed{\phantom{000}}$

$472 - 10 = \boxed{\phantom{000}}$

$\boxed{\phantom{000}} - 10 = 983$

$362 - 10 = \boxed{\phantom{000}}$

**Sheet 44**  $+/-$  a pair of multiples of 10

Fill in the boxes.

**A**

$70 + 10$

$30 + 10$

$50 + 10$

$80 + 10$

$20 + 10$

$40 + 10$

$60 + 10$

$90 + 10$

$90 - 10$

$20 - 10$

$80 - 10$

$30 - 10$

$50 - 10$

$40 - 10$

$60 - 10$

$70 - 10$

**B**

$20 + 20$

$50 + 20$

$30 + 30$

$40 + 50$

$20 + 40$

$30 + 60$

$50 + 30$

$30 + 40$

$40 - 20$

$70 - 40$

$90 - 30$

$50 - 20$

$80 - 60$

$60 - 20$

$90 - 40$

$70 - 50$

**C**

$60 + 50$

$80 + 40$

$50 + 60$

$90 + 50$

$60 + 60$

$70 + 40$

$80 + 50$

$90 + 30$

$110 - 30$

$130 - 40$

$120 - 50$

$150 - 60$

$140 - 70$

$110 - 50$

$160 - 80$

$130 - 60$

**Sheet 45 Making 100**

Fill in the boxes.

**A**

$6 + \boxed{4} = 10$

$10 - \boxed{\phantom{00}} = 4$

$3 + \boxed{\phantom{00}} = 10$

$2 + \boxed{\phantom{00}} = 10$

$10 - \boxed{\phantom{00}} = 8$

$10 + \boxed{\phantom{00}} = 10$

$9 + \boxed{\phantom{00}} = 10$

$10 - \boxed{\phantom{00}} = 6$

$8 + \boxed{\phantom{00}} = 10$

$7 + \boxed{\phantom{00}} = 10$

$10 - \boxed{\phantom{00}} = 1$

$4 + \boxed{\phantom{00}} = 10$

$5 + \boxed{\phantom{00}} = 10$

$10 - \boxed{\phantom{00}} = 2$

$1 + \boxed{\phantom{00}} = 10$

**B**

$80 + \boxed{\phantom{00}} = 100$

$10 + \boxed{\phantom{00}} = 100$

$40 + \boxed{\phantom{00}} = 100$

$50 + \boxed{\phantom{00}} = 100$

$20 + \boxed{\phantom{00}} = 100$

$70 + \boxed{\phantom{00}} = 100$

$60 + \boxed{\phantom{00}} = 100$

$90 + \boxed{\phantom{00}} = 100$

$30 + \boxed{\phantom{00}} = 100$

$100 - \boxed{\phantom{00}} = 30$

$100 - \boxed{\phantom{00}} = 50$

$100 - \boxed{\phantom{00}} = 70$

$100 - \boxed{\phantom{00}} = 40$

$100 - \boxed{\phantom{00}} = 80$

$100 - \boxed{\phantom{00}} = 20$

$100 - \boxed{\phantom{00}} = 90$

$100 - \boxed{\phantom{00}} = 10$

$100 - \boxed{\phantom{00}} = 60$

**C**

$130 + \boxed{\phantom{00}} = 200$

$400 - \boxed{\phantom{00}} = 370$

$280 + \boxed{\phantom{00}} = 300$

$490 + \boxed{\phantom{00}} = 500$

$900 - \boxed{\phantom{00}} = 820$

$560 + \boxed{\phantom{00}} = 600$

$340 + \boxed{\phantom{00}} = 400$

$700 - \boxed{\phantom{00}} = 650$

$810 + \boxed{\phantom{00}} = 900$

$850 + \boxed{\phantom{00}} = 900$

$200 - \boxed{\phantom{00}} = 190$

$470 + \boxed{\phantom{00}} = 500$

$520 + \boxed{\phantom{00}} = 600$

$300 - \boxed{\phantom{00}} = 260$

$730 + \boxed{\phantom{00}} = 800$

$210 + \boxed{\phantom{00}} = 300$

$500 - \boxed{\phantom{00}} = 440$

$350 + \boxed{\phantom{00}} = 400$

**Sheet 46**  $+/-$  multiples of 10

Fill in the boxes.

**A**

$11 + 10$

$18 + 10$

$12 + 10$

$13 + 10$

$15 + 10$

$19 + 10$

$17 + 10$

$14 + 10$

$15 - 10$

$18 - 10$

$13 - 10$

$11 - 10$

$16 - 10$

$12 - 10$

$19 - 10$

$14 - 10$

**B**

$25 + 30$

$37 + 40$

$41 + 20$

$26 + 60$

$59 + 20$

$73 + 20$

$38 + 50$

$44 + 30$

$32 - 20$

$78 - 40$

$56 - 30$

$99 - 20$

$85 - 30$

$63 - 40$

$71 - 30$

$94 - 60$

**C**

$93 + 20$

$86 + 40$

$65 + 30$

$72 + 50$

$58 + 40$

$94 + 60$

$61 + 20$

$87 + 50$

$101 - 20$

$139 - 40$

$112 - 50$

$126 - 30$

$157 - 70$

$143 - 80$

$168 - 90$

$135 - 50$

**Sheet 47**  $+/-$  a pair of multiples of 100

Fill in the boxes.

**A**

$700 + 100$

$200 + 100$

$500 + 100$

$300 + 100$

$800 + 100$

$600 + 100$

$400 + 100$

$100 + 100$

$500 - 100$

$300 - 100$

$700 - 100$

$200 - 100$

$900 - 100$

$400 - 100$

$800 - 100$

$600 - 100$

**B**

$400 + 200$

$300 + 400$

$700 + 200$

$200 + 300$

$600 + 200$

$400 + 600$

$500 + 300$

$300 + 700$

$600 - 300$

$800 - 400$

$500 - 300$

$900 - 500$

$400 - 200$

$800 - 600$

$700 - 300$

$1000 - 700$

**C**

$900 + 400$

$500 + 500$

$800 + 400$

$900 + 500$

$400 + 700$

$700 + 600$

$600 + 500$

$800 + 700$

$1100 - 200$

$1300 - 500$

$1200 - 700$

$1400 - 600$

$1100 - 800$

$1500 - 600$

$1200 - 400$

$1600 - 900$

# Sheet 48 Add by bridging

Fill in the boxes.

## A

$8 + 7 = 8 + \boxed{2} + \boxed{5} = 10 + \boxed{5} = \boxed{15}$

$6 + 7 = \boxed{13}$

$9 + 4 = 9 + \boxed{1} + \boxed{3} = 10 + \boxed{3} = \boxed{\phantom{00}}$

$8 + 4 = \boxed{\phantom{00}}$

$6 + 5 = 6 + \boxed{4} + \boxed{1} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$7 + 4 = \boxed{\phantom{00}}$

$7 + 6 = 7 + \boxed{3} + \boxed{\phantom{00}} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$9 + 3 = \boxed{\phantom{00}}$

$5 + 9 = 5 + \boxed{\phantom{00}} + \boxed{\phantom{00}} = 10 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$8 + 5 = \boxed{\phantom{00}}$

## B

$9 + 6 = \boxed{15}$

$4 + 8 = \boxed{\phantom{00}}$

$19 + 8 = \boxed{\phantom{00}}$

$18 + 9 = \boxed{\phantom{00}}$

$7 + 4 = \boxed{\phantom{00}}$

$8 + 3 = \boxed{\phantom{00}}$

$18 + 5 = \boxed{\phantom{00}}$

$16 + 6 = \boxed{\phantom{00}}$

$6 + 7 = \boxed{\phantom{00}}$

$9 + 5 = \boxed{\phantom{00}}$

$14 + 9 = \boxed{\phantom{00}}$

$15 + 8 = \boxed{\phantom{00}}$

$8 + 6 = \boxed{\phantom{00}}$

$6 + 8 = \boxed{\phantom{00}}$

$16 + 8 = \boxed{\phantom{00}}$

$17 + 8 = \boxed{\phantom{00}}$

$7 + 9 = \boxed{\phantom{00}}$

$5 + 7 = \boxed{\phantom{00}}$

$17 + 5 = \boxed{\phantom{00}}$

$19 + 4 = \boxed{\phantom{00}}$

$9 + 8 = \boxed{\phantom{00}}$

$8 + 7 = \boxed{\phantom{00}}$

$15 + 6 = \boxed{\phantom{00}}$

$18 + 8 = \boxed{\phantom{00}}$

## C

$25 + 6 = \boxed{\phantom{00}}$

$28 + 5 = \boxed{\phantom{00}}$

$87 + 9 = \boxed{\phantom{00}}$

$46 + 5 = \boxed{\phantom{00}}$

$26 + 8 = \boxed{\phantom{00}}$

$57 + 8 = \boxed{\phantom{00}}$

$39 + 4 = \boxed{\phantom{00}}$

$27 + 7 = \boxed{\phantom{00}}$

$43 + 9 = \boxed{\phantom{00}}$

$64 + 7 = \boxed{\phantom{00}}$

$75 + 9 = \boxed{\phantom{00}}$

$63 + 8 = \boxed{\phantom{00}}$

$79 + 7 = \boxed{\phantom{00}}$

$46 + 6 = \boxed{\phantom{00}}$

$58 + 7 = \boxed{\phantom{00}}$

$89 + 6 = \boxed{\phantom{00}}$

$48 + 3 = \boxed{\phantom{00}}$

$35 + 8 = \boxed{\phantom{00}}$

$77 + 5 = \boxed{\phantom{00}}$

$56 + 7 = \boxed{\phantom{00}}$

$87 + 4 = \boxed{\phantom{00}}$

$68 + 9 = \boxed{\phantom{00}}$

$38 + 6 = \boxed{\phantom{00}}$

$72 + 9 = \boxed{\phantom{00}}$



# Sheet 49 Subtract by bridging

Fill in the boxes.

## A

$14 - 6 = 14 - \boxed{4} - \boxed{2} = 10 - \boxed{2} = \boxed{8}$	$14 - 7 = \boxed{7}$
$12 - 5 = 12 - \boxed{2} - \boxed{3} = 10 - \boxed{3} = \boxed{\phantom{00}}$	$15 - 6 = \boxed{\phantom{00}}$
$15 - 9 = 15 - \boxed{5} - \boxed{\phantom{00}} = 10 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$12 - 3 = \boxed{\phantom{00}}$
$13 - 4 = 13 - \boxed{\phantom{00}} - \boxed{\phantom{00}} = 10 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$11 - 4 = \boxed{\phantom{00}}$
$11 - 8 = 11 - \boxed{\phantom{00}} - \boxed{\phantom{00}} = 10 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$	$13 - 5 = \boxed{\phantom{00}}$

---

## B

$13 - 4 = \boxed{9}$	$11 - 6 = \boxed{\phantom{00}}$	$24 - 5 = \boxed{\phantom{00}}$	$22 - 5 = \boxed{\phantom{00}}$
$15 - 7 = \boxed{\phantom{00}}$	$12 - 4 = \boxed{\phantom{00}}$	$23 - 6 = \boxed{\phantom{00}}$	$25 - 6 = \boxed{\phantom{00}}$
$14 - 8 = \boxed{\phantom{00}}$	$16 - 9 = \boxed{\phantom{00}}$	$21 - 3 = \boxed{\phantom{00}}$	$27 - 9 = \boxed{\phantom{00}}$
$12 - 6 = \boxed{\phantom{00}}$	$13 - 7 = \boxed{\phantom{00}}$	$25 - 9 = \boxed{\phantom{00}}$	$23 - 8 = \boxed{\phantom{00}}$
$17 - 8 = \boxed{\phantom{00}}$	$15 - 8 = \boxed{\phantom{00}}$	$26 - 8 = \boxed{\phantom{00}}$	$24 - 6 = \boxed{\phantom{00}}$
$13 - 9 = \boxed{\phantom{00}}$	$14 - 5 = \boxed{\phantom{00}}$	$28 - 9 = \boxed{\phantom{00}}$	$21 - 7 = \boxed{\phantom{00}}$

---

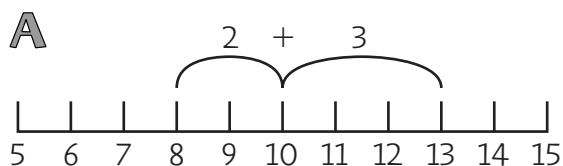
## C

$21 - 5 = \boxed{\phantom{00}}$	$62 - 8 = \boxed{\phantom{00}}$	$76 - 8 = \boxed{\phantom{00}}$	$83 - 5 = \boxed{\phantom{00}}$
$45 - 8 = \boxed{\phantom{00}}$	$37 - 9 = \boxed{\phantom{00}}$	$22 - 7 = \boxed{\phantom{00}}$	$31 - 8 = \boxed{\phantom{00}}$
$33 - 4 = \boxed{\phantom{00}}$	$81 - 7 = \boxed{\phantom{00}}$	$95 - 9 = \boxed{\phantom{00}}$	$72 - 6 = \boxed{\phantom{00}}$
$54 - 6 = \boxed{\phantom{00}}$	$43 - 6 = \boxed{\phantom{00}}$	$64 - 7 = \boxed{\phantom{00}}$	$46 - 9 = \boxed{\phantom{00}}$
$85 - 7 = \boxed{\phantom{00}}$	$94 - 5 = \boxed{\phantom{00}}$	$53 - 8 = \boxed{\phantom{00}}$	$32 - 5 = \boxed{\phantom{00}}$
$91 - 3 = \boxed{\phantom{00}}$	$52 - 4 = \boxed{\phantom{00}}$	$35 - 6 = \boxed{\phantom{00}}$	$63 - 7 = \boxed{\phantom{00}}$

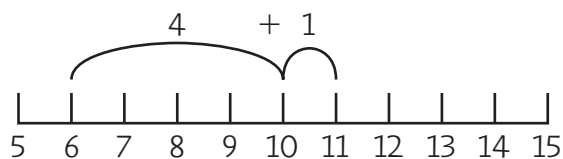
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# Sheet 50 Finding a small difference – bridging

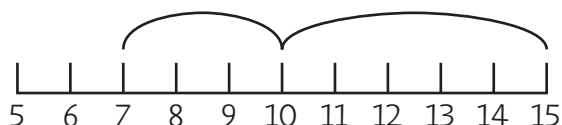
Fill in the boxes.



$13 - 8 = \square$



$11 - 6 = \square$



$15 - 7 = \square$

$14 - 9 = \square$

$11 - 7 = \square$

$13 - 6 = \square$

$12 - 9 = \square$

$12 - 6 = \square$

$14 - 8 = \square$

$11 - 8 = \square$

$14 - 7 = \square$

**B**

$23 - 19 = \square$

$73 - 66 = \square$

$103 - 98 = \square$

$51 - 47 = \square$

$91 - 85 = \square$

$106 - 99 = \square$

$45 - 38 = \square$

$42 - 38 = \square$

$102 - 96 = \square$

$62 - 55 = \square$

$24 - 16 = \square$

$101 - 98 = \square$

$34 - 27 = \square$

$65 - 59 = \square$

$104 - 97 = \square$

**C**

$204 - 199 = \square$

$704 - 695 = \square$

$1005 - 997 = \square$

$303 - 296 = \square$

$406 - 391 = \square$

$1007 - 998 = \square$

$805 - 798 = \square$

$903 - 898 = \square$

$1004 - 992 = \square$

$602 - 597 = \square$

$301 - 297 = \square$

$1002 - 989 = \square$

$501 - 494 = \square$

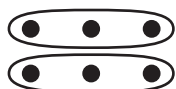
$802 - 795 = \square$

$1003 - 986 = \square$

# Sheet 51 Repeated addition

Group the dots and fill in the boxes.

**A**



$3 + 3 = 6$

2 lots of 3 = 6

$2 \times 3 = 6$

.....



$2 + 2 + 2 = \square$

3 lots of 2 =  $\square$

$\square \times \square = \square$

.....



$4 + 4 = \square$

2 lots of 4 =  $\square$

$\square \times \square = \square$

.....



$2 + 2 + 2 + 2 = \square$

4 lots of 2 =  $\square$

$\square \times \square = \square$

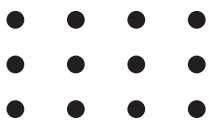
**B**



3 lots of 5 =  $\square$

$3 \times 5 = \square$

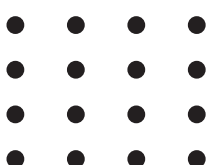
.....



4 lots of 3 =  $\square$

$4 \times 3 = \square$

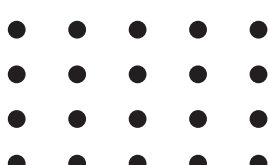
.....



8 lots of 2 =  $\square$

$\square \times \square = \square$

.....



2 lots of 10 =  $\square$

$\square \times \square = \square$

**C**

$7 + 7 + 7 = \square$

$3 \times 7 = \square$

$50 + 50 = \square$

$\square \times \square = \square$

$3 + 3 + 3 + 3 = \square$

$\square \times \square = \square$

$9 + 9 = \square$

$\square \times \square = \square$

$6 + 6 + 6 = \square$

$\square \times \square = \square$

$2 \times 3 = \square$

$4 \times 5 = \square$

$7 \times 10 = \square$

$5 \times 2 = \square$

$3 \times 8 = \square$

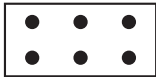
$7 \times 1 = \square$

# Sheet 52 Arrays

Draw the dots. Fill in the boxes.

**A**

3 lots of 2  
2 lots of 3



$$\boxed{3} \times \boxed{2} = \boxed{6}$$

$$\boxed{2} \times \boxed{3} = \boxed{\phantom{00}}$$

.....

4 lots of 2  
2 lots of 4

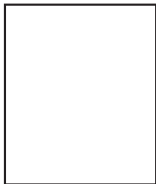


$$\boxed{\phantom{00}} \times \boxed{2} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{4} = \boxed{\phantom{00}}$$

.....

3 lots of 5  
5 lots of 3

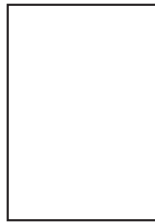


$$\boxed{3} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{5} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**B**

3 lots of 6  
6 lots of 3

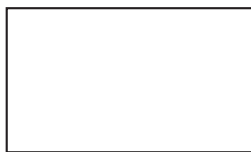


$$\boxed{\phantom{00}} \times \boxed{6} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{3} = \boxed{\phantom{00}}$$

.....

5 lots of 4  
4 lots of 5



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

.....

2 lots of 7  
7 lots of 2

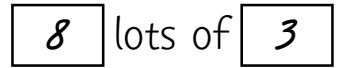


$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**C**

3 lots of 8

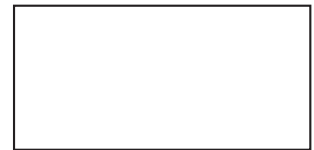


$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

.....

6 lots of 4

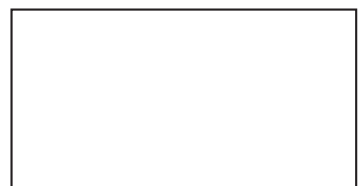


$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

.....

7 lots of 5



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

# Sheet 53 Understanding multiplication

## A

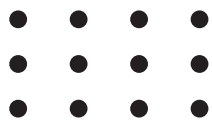
Ring the dots. Fill in the boxes.

Ring 4 lots of 3



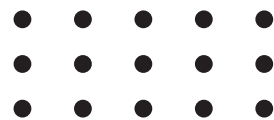
$$\boxed{4} \times \boxed{3} = \boxed{12}$$

Ring 6 lots of 2



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Ring 3 lots of 5



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

## B

Fill in the boxes.

$4 \times 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 10 = 70$

$7 \times 2 = \boxed{\phantom{00}}$

$3 \times 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 2 = 6$

$9 \times 10 = \boxed{\phantom{00}}$

$10 \times 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 10 = 50$

$8 \times 2 = \boxed{\phantom{00}}$

$6 \times 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 2 = 18$

$4 \times 10 = \boxed{\phantom{00}}$

$5 \times 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 10 = 80$

$6 \times 2 = \boxed{\phantom{00}}$

$10 \times 10 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 2 = 4$

$2 \times 10 = \boxed{\phantom{00}}$

## C

Fill in the boxes.

$6 \times 3 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 5 = 35$

$5 \times 8 = \boxed{\phantom{00}}$

$5 \times 5 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 20 = 60$

$9 \times 4 = \boxed{\phantom{00}}$

$7 \times 4 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 10 = 100$

$7 \times 3 = \boxed{\phantom{00}}$

$4 \times 6 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 4 = 32$

$10 \times 20 = \boxed{\phantom{00}}$

$12 \times 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 9 = 18$

$5 \times 6 = \boxed{\phantom{00}}$

$10 \times 8 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 3 = 15$

$50 \times 2 = \boxed{\phantom{00}}$

**Sheet 54 How many?**

Fill in the boxes.

**A**

How many birds in 5 nests?



$5 \times 2 = \square$

How many legs on 3 stools?



$3 \times 3 = \square$

How many cakes on 2 plates?



$2 \times 4 = \square$

**B**

How many apples on 2 trees?



$2 \times 10 = \square$

How many fingers on 6 hands?



$6 \times 5 = \square$

How many sausages in 4 pans?



$4 \times 3 = \square$

How many legs on 5 chairs?



$5 \times 4 = \square$

**C**

How many fish in 3 tanks?



$3 \times 6 = \square$

How many cherries on 7 stalks?



$7 \times 3 = \square$

How many legs on 2 spiders?



$2 \times 8 = \square$

How many flowers in 6 vases?



$6 \times 4 = \square$