

Year 6

- Use negative numbers in context and calculate intervals across zero

The temperature at 12 midday is 16°C . By 11pm the temperature drops to -31°C . By how much does the temperature fall?

Billy and Jo have $\pounds 564.32$ in their bank account. They pay for a holiday which includes:

- Aeroplane tickets at $\pounds 243.21$
- Hotel accommodation at $\pounds 428.17$
- What will their account balance be after paying for the holiday?

Put these temperatures in order from coolest to warmest:

1°C , -3°C , -8°C , -31°C , 12°C , -11°C , 35°C , 0°C

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- Compare and order numbers up to 10,000,000

Order the numbers from smallest to largest.

99,054,703

687,211

99,871,642

73,988,453

8,785,614

8,784,614

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- Identify common factors, common multiples and prime numbers

What are the common factors for 18 and 24?	
What is the lowest common multiple for 8 and 12?	

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Highlight all the prime numbers									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- Round any whole number to a required degree of accuracy

	Nearest ten	Nearest hundred	Nearest thousand	Nearest ten-thousand	Nearest hundred-thousand	Nearest million
9,875,411						
30,105						
47,032,565						
4,423,423						
239,300,010						

- Identify the value of each digit to 3 decimal places
Write the value of the underlined digit of each number.

3.987 →

61.081 →

0.613 →

66.615 →

0.045 →

98.908 →

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- Use knowledge of order of operations to carry out calculations involving four operations

Use the order of operations (BODMAS) to work out the following:

$$35 - 7 \times (6 + 8) = \boxed{}$$

$$7 \times (3 + 5) + 6 = \boxed{}$$

$$(2 + 9) \times (10 - 5) = \boxed{}$$

$$42 - 7 \times (6 + 8) = \boxed{}$$

- Multiply: 4-digit by 2-digit

Complete the column method multiplication questions

$$3,977 \times 17 =$$

$$8,103 \times 64 =$$

$$2,674 \times 93 =$$

$$6,633 \times 28 =$$

- Divide: 4-digit by 2-digit

Complete the questions

$$4,992 \div 32 =$$

$$5,304 \div 78 =$$

$$6,992 \div 19 =$$

$$6,730 \div 5 =$$

- Add and subtract fractions with different denominators and mixed numbers

$$\frac{7}{8} + \frac{5}{6} = \boxed{}$$

$$\frac{4}{5} - \frac{3}{4} = \boxed{}$$

$$1 \frac{1}{3} + \frac{1}{2} = \boxed{}$$

$$5 \frac{1}{3} - \frac{2}{5} = \boxed{}$$

Year 6

- Multiply simple pairs of proper fractions, writing the answer in the simplest form.

		answer		simplest form		
$\frac{1}{4}$	x	$\frac{4}{7}$	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">—</td> <td style="width: 50%; text-align: center;">—</td> </tr> </table>	—	—
—	—					

		answer		simplest form		
$\frac{3}{4}$	x	$\frac{1}{3}$	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">—</td> <td style="width: 50%; text-align: center;">—</td> </tr> </table>	—	—
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$\frac{5}{6}$	x	$\frac{3}{8}$	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">—</td> <td style="width: 50%; text-align: center;">—</td> </tr> </table>	—	—
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$\frac{2}{5}$	x	$\frac{5}{9}$	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">—</td> <td style="width: 50%; text-align: center;">—</td> </tr> </table>	—	—
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- Divide proper fractions by whole numbers

$\frac{5}{8}$	÷	4	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center;">—</td> </tr> </table>	—
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$\frac{7}{9}$	÷	3	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center;">—</td> </tr> </table>	—
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$\frac{1}{2}$	÷	6	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center;">—</td> </tr> </table>	—
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$\frac{3}{4}$	÷	8	=	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center;">—</td> </tr> </table>	—
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- Calculate % of whole number

75% of 64 =	
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90% of 9,650 =	
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12% of 12 =	
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60% of 1,200 =	
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