

Homework/Extension

Step 5: Divide 1 Digit by 10

National Curriculum Objectives:

Mathematics Year 4: (4F9) [Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Complete the calculations to divide 1-digit numbers by 10. Place value grids with counters provided as support.

Expected Complete the calculations to divide 1-digit numbers by 10. Place value grids provided as support.

Greater Depth Complete the calculations to divide 1-digit numbers by 10. No visual support.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match the calculation to the correct answer where 1-digit numbers are divided by 10. Answers shown on place value grids with counters.

Expected Match the calculation to the correct answer where 1-digit numbers are divided by 10. Answers shown on place value grids.

Greater Depth Match the calculation to the correct answer where 1-digit numbers are divided by 10. Create a calculation for the unmatched answers. No visual support.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Identify numbers based on a set of parameters where 1-digit numbers are divided by 10. Place value grid given as support.

Expected Identify numbers based on a set of parameters where 1-digit numbers are divided by 10.

Greater Depth Identify numbers based on a set of parameters where 1-digit numbers are divided by 10. No visual support.

More [Year 4 Decimals](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Divide 1 Digit by 10

1. Complete the second set of place value grids to find the answer to the calculations.

A. $4 \div 10 = \square$

B. $6 \div 10 = \square$

Tens	Ones	Tenths	Hundredths
	● ● ● ●	●	

Tens	Ones	Tenths	Hundredths
	● ● ● ● ● ●	●	

Tens	Ones	Tenths	Hundredths
		●	

Tens	Ones	Tenths	Hundredths
		●	



VF
HW/Ext

2. Match each calculation to the correct answer represented on the place value grids.

A. $5 \div 10$

B. $2 \div 10$

C. $8 \div 10$

1.

Tens	Ones	Tenths	Hundredths
		● ●	

2.

Tens	Ones	Tenths	Hundredths
		● ● ● ● ● ●	

3.

Tens	Ones	Tenths	Hundredths
		● ● ● ● ● ●	



VF
HW/Ext

3. Alina and Harry are each thinking of a number.



Alina

My number is ten times smaller than the number on the place value grid.



Harry

My number is 0.1 more than Alina's number.

T	O	t	h
	● ● ● ● ● ●	●	

What are Alina and Harry's numbers?



RPS
HW/Ext

Divide 1 Digit by 10

4. Complete the place value grids to find the answer to each calculation.

A. $7 \div 10 = \square$

B. $1 \div 10 = \square$

Tens	Ones	Tenths	Hundredths

Tens	Ones	Tenths	Hundredths



VF
HW/Ext

5. Match each calculation to the correct answer represented on the place value grids.

A. $6 \div 10$

B. $4 \div 10$

C. $7 \div 10$

1.

T	O	t	h
	0	7	

2.

T	O	t	h
	0	6	

3.

T	O	t	h
4	0		

4.

T	O	t	h
	0	4	

5.

T	O	t	h
	7	0	



VF
HW/Ext

6. Maggie and Teddy are each thinking of a number.



Maggie

My number is an even number.
When divided by 10, it is greater than 0.3 and smaller than 0.7.

T	O	t	h



Teddy

My number is one more than Maggie's
number.

T	O	t	h

What could Maggie and Teddy's numbers be? Find all possibilities.



RPS
HW/Ext

Divide 1 Digit by 10

7. Complete the calculations.

A.

$8 \div 10 = \square$

B.

$9 \div 10 = \square$

C.

$5 \div 10 = \square$

D.

$3 \div 10 = \square$



VF
HW/Ext

8. Match each calculation to the correct answer.

A.

$2 \div 10$

B.

$8 \div 10$

C.

$5 \div 10$

1.

0.5

2.

0.4

3.

0.2

4.

0.8

5.

0.7

Create a division calculation for the two remaining answers.



VF
HW/Ext

9. Harees and Kaidi are each thinking of a number.



Harees

My number is an odd number.
When divided by 10, it is greater than 0.3 and less than 0.9.



Kaidi

My number is an even number that is less than Harees's. When divided by 10, it is greater than 0.3.

What could Harees and Kaidi's numbers be? Find all possibilities.



RPS
HW/Ext

Homework/Extension

Divide 1 Digit by 10

Developing

1. A. 0.4; B. 0.6
2. A. 3; B. 1; C. 2
3. Alina's number is 0.6 as $6 \div 10 = 0.6$; Harry's number is 0.7.

Expected

4. A. 0.7; B. 0.1
5. A. 2; B. 4; C. 1
6. Maggie's number could be 4 or 6; Teddy's number could be 5 or 7.

Greater Depth

7. A. 0.8; B. 0.9; C. 0.5; D. 0.3
8. A. 3; B. 5; C. 1; $7 \div 10 = 0.7$, $4 \div 10 = 0.4$
9. Individually, Harees could be thinking of 5, 7 or 9 and Kaidi could be thinking of 4, 6 or 8. However, Kaidi can only have 8 if Harees has 9; 6 if Harees has 7 or 9; and 4 if Harees has 5, 7 or 9.