Varied Fluency Step 5: Divide 1 Digit by 10

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support dividing 1-digit numbers by 10. Using counters in place value grids for every question.

Expected Questions to support dividing 1-digit numbers by 10. Using pictorial support for most questions.

Greater Depth Questions to support dividing 1-digit numbers by 10. No visual support and some questions presented in context.

More Year 4 Decimals resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



Divide 1 Digit by 10

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1a. Divide the number represented on the place value chart by 10.

Tens	Ones	Tenths	Hundredths
		•	

1b. Divide the number represented on the place value chart by 10.

Tens	Ones	Tenths	Hundredths
		•	

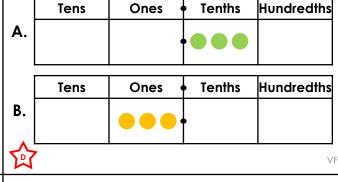




2a. Which of the following numbers is the answer to $2 \div 10$?

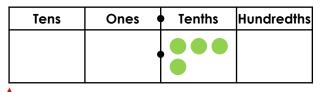
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Α.		• •	•	
	Tens	Ones	Tenths	Hundredths
B.				
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2b. Which of the following numbers is the answer to $3 \div 10$?



3a. Which equation matches the answer shown in the place value grid?

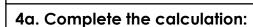
- A. 4 ÷ 10
- B. 0.4 ÷ 10
- C. 10 ÷ 4

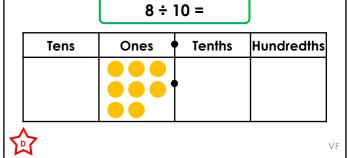


3b. Which equation matches the answer shown in the place value grid?

- A. 0.6 ÷ 10
- B. 10 ÷ 6
- C. 6 ÷ 10

Tens	Ones	Tenths	Hundredths





4b. Complete the calculation:

	5 ÷	5 ÷ 10 =		
Tens	Ones	Tenths	Hundredths	
			,	

Divide 1 Digit by 10

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5a. Use the Gattegno chart to divide the circled number by 10.

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

5b. Use the Gattegno chart to divide the circled number by 10.

	10	20	30	40	50	60	70	80	90
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	0.1	0.2	0.3	0.4	0.5	0.6	0.7	8.0	0.9
	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09



6a. Which of the following numbers is the answer to 9 ÷ 10?

	Tens	Ones	Tenths	Hundredths
Α.		0	9	

6b. Which of the following numbers is the	9
answer to 6 ÷ 10?	

	Tens	Ones	Tenths	Hundredths
A.		6	0	

	Tens	Ones	Tenths	Hundredths
В.		9	0	
^		-		\/_

	Tens	Ones	Tenths	Hundredths
В.		0	6	
企	7			VI



7a. Which equation matches the answer shown in the place value grid?

- A. 0.3 ÷ 10
- B. 3 ÷ 10
- C. 10 ÷ 3

Tens	Ones	Tenths	Hundredths
	0	3	
<u> </u>			

7b. Which equation matches the answer shown in the place value grid?

- Α.
- 4 ÷ 10
- В.
- 10 ÷ 4
- C. 0.4 ÷ 10

Tens	Ones	Tenths	Hundredths
	0	4	



8a. Complete the calculation:

Tens	Ones	Tenths	Hundredths
	2	•	
_			

8b. Complete the calculation:

Tens	Ones	Tenths	Hundredths
	9		



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9a. Jason is making the number 7 ten times smaller.

10

9b. Maisie is making the number 5 ten times smaller.

Complete the equation to find the answer.

Complete the equation to find the answer.

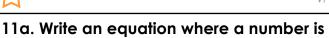


10a. Which of the following numbers is the result of dividing eight by ten?

0.8

10b. Which of the following numbers is the result of dividing nine by ten?





divided by 10 for each of the following answers.

0.2

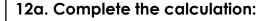
0.4

C. 0.5 11b. Write an equation where a number is divided by 10 for each of the following answers.

0.3

0.6

0.1 C.



 $7 \div 10 =$

12b. Complete the calculation:

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Developing

1a. 0.5

2a. B 3a. A

 $4a. 8 \div 10 = 0.8$

Expected

5a. 0.4

6a. A

7a. B

8a. $2 \div 10 = 0.2$

Greater Depth

9a. $7 \div 10 = 0.7$

10a. 0.8

11a. A. 2 ÷ 10; B. 4 ÷ 10; C. 5 ÷ 10

 $12a. 7 \div 10 = 0.7$

Developing

1b. 0.7

2b. A

3b. C

4b. $5 \div 10 = 0.5$

Expected

5b. 0.8

6b. B

7b. A

8b. $9 \div 10 = 0.9$

Greater Depth

9b. $5 \div 10 = 0.5$

10b. 0.9

11b. A. 3 ÷ 10; B. 6 ÷ 10; C. 1 ÷ 10

12b. $9 \div 10 = 0.9$