Varied Fluency
Step 7: 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:

Developing Questions to support dividing 1-digit numbers by 10. All questions have counters in place value grids as pictorial representation.
Expected Questions to support dividing 1-digit numbers by 10. Most questions have digits in place value grids as pictorial representation.
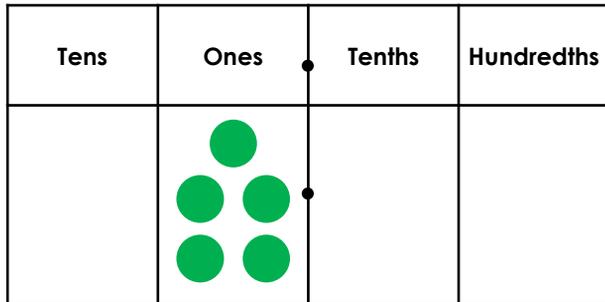**Greater Depth** Questions to support dividing 1-digit numbers by 10. No visual support.

More **Year 3 and Year 4 Fractions and Decimals** resources.

Did you like this resource? Don't forget to **review** it on our website.
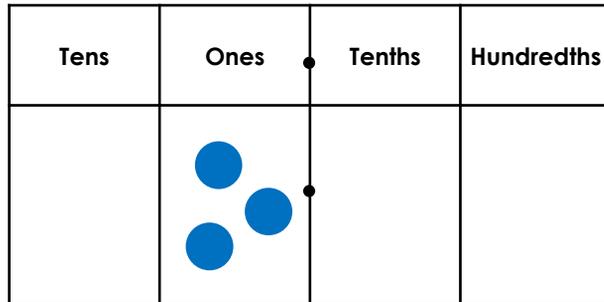
Divide 1-Digit by 10

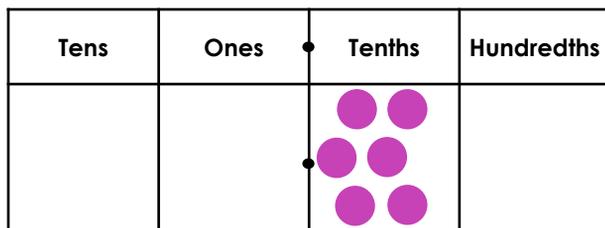**1a.** Divide the number represented on the place value chart by 10.

Tens	Ones	Tenths	Hundredths
	●●●●		

4   VF

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

Tens	Ones	Tenths	Hundredths
	●●●		

4   VF

2a. Which number has been divided by 10 to give the following answer:

Tens	Ones	Tenths	Hundredths
		●●●●●●	

1.6	60	6

4   VF

2b. Which number has been divided by 10 to give the following answer:

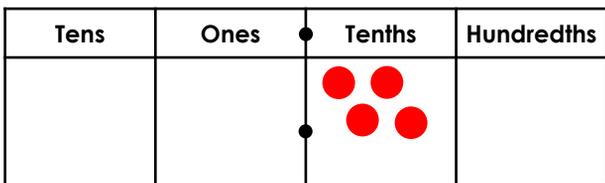| Tens	Ones	Tenths	Hundredths
		●●	
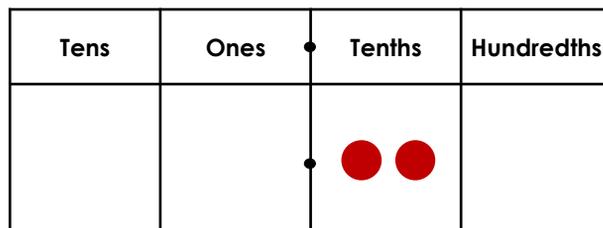
20	2	1.2

4   VF

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

A. $4 \div 10 = 0.4$

B. $0.4 \div 10 = 4$

C. $10 \div 4 = 0.4$

Tens	Ones	Tenths	Hundredths
		●●●●	

4   VF

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

A. $0.7 \div 10 = 7$

B. $10 \div 7 = 0.7$

C. $7 \div 10 = 0.7$

Tens	Ones	Tenths	Hundredths
		●●●●●●●	

4   VF

4a. True or false?

$$0.8 \div 10 = 8$$

4   VF

4b. True or false?

$$9 \div 10 = 0.09$$

4   VF

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Varied Fluency – Divide 1-Digit by 10 – Year 4 Developing

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

E   4 VF

5b. 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

E   4 VF

6a. What number has been divided by 10 to give the following answer:

Tens	Ones	Tenths	Hundredths
	0 •	6	

E   4 VF

6b. What number has been divided by 10 to give the following answer:

Tens	Ones	Tenths	Hundredths
	0 •	9	

E   4 VF

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

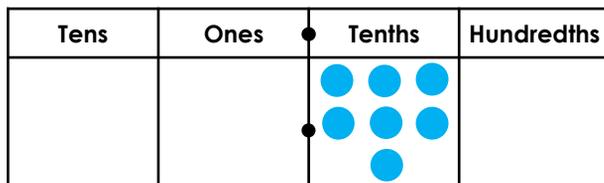A. $0.3 \div 10 = 3$

B. $3 \div 10 = 0.3$

C. $10 \div 3 = 0.3$

Tens	Ones	Tenths	Hundredths
	0 •	3	

E   4 VF

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

A. $4 \div 10 = 0.4$

B. $10 \div 4 = 0.4$

C. $0.4 \div 10 = 4$

Tens	Ones	Tenths	Hundredths
	0 •	4	

E   4 VF

8a. True or false?

If I divide 5 by 10 I get this answer:

0.55

E   4 VF

8b. True or false?

If I divide 2 by 10 I get this answer:
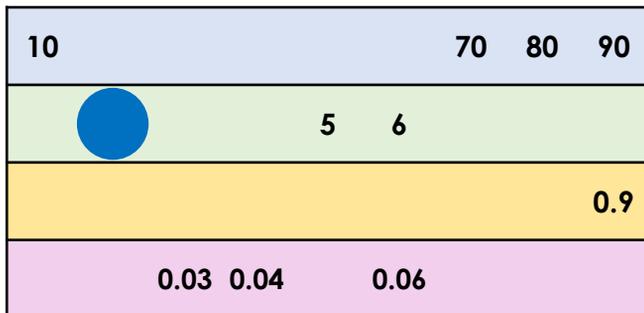
0.22

E   4 VF

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Varied Fluency – Divide 1-Digit by 10 – Year 4 Expected

Divide 1-Digit by 10

Divide 1-Digit by 10

9a. Use the Gattegno chart below to divide the hidden number by 10.

10				70	80	90
●		5	6			
						0.9
0.03	0.04		0.06			

GD   4   VF

9b. Use the Gattegno chart below to divide the hidden number by 10.

10	20	30				90
	●			7	8	
0.1						
	0.03		0.05	0.06		

GD   4   VF

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

1.8	80	0.8
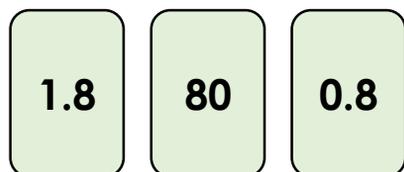
GD   4   VF

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

90	0.9	1.9
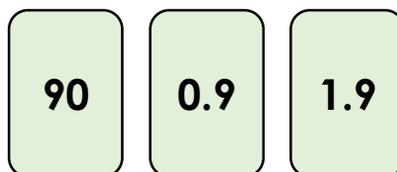
GD   4   VF

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

A. two tenths

B. four tenths

C. five tenths

GD   4   VF

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

A. three tenths

B. six tenths

C. one tenth

GD   4   VF

12a. True or false?

Zero point eight is equal to ten divided by eight or eight divided by ten.

GD   4   VF

12b. True or false?

Zero point seven is equal to ten divided by seven or seven divided by ten.

GD   4   VF

Varied Fluency
Divide 1-Digit by 10

Developing
1a. 0.5
2a. 6
3a. A
4a. False. It is 8 ÷ 10 = 0.8

Expected
5a. 0.4
6a. 6
7a. B
8a. False. It is 0.5

Greater Depth
9a. 0.2
10a. 0.8
11a. A: 2 ÷ 10, B: 4 ÷ 10, C: 5 ÷ 10
12a. False. It is only equal to eight divided by ten.

Varied Fluency
Divide 1-Digit by 10

Developing
1b. 0.3
2b. 2
3b. C
4b. False. It is 9 ÷ 10 = 0.9

Expected
5b. 0.8
6b. 9
7b. A
8b. False. It is 0.2

Greater Depth
9b. 0.4
10b. 0.9
11b. A: 3 ÷ 10, B; 6 ÷ 10, C: 1 ÷ 10
12b. False. It is only equal to seven divided by ten.