

# Varied Fluency

## 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:

**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.

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# 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
	● ● ● ● ●		



VF

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

Tens	Ones	Tenths	Hundredths
	● ● ● ● ● ● ●		



VF

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

A.

Tens	Ones	Tenths	Hundredths
	● ●		

B.

Tens	Ones	Tenths	Hundredths
		● ●	



VF

2b. Which of the following numbers is the answer to  $3 \div 10$ ?

A.

Tens	Ones	Tenths	Hundredths
		● ● ●	

B.

Tens	Ones	Tenths	Hundredths
	● ● ●		



VF

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

A.  $4 \div 10$

B.  $0.4 \div 10$

C.  $10 \div 4$

Tens	Ones	Tenths	Hundredths
		● ● ● ●	



VF

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

A.  $0.6 \div 10$

B.  $10 \div 6$

C.  $6 \div 10$

Tens	Ones	Tenths	Hundredths
		● ● ● ● ● ●	



VF

4a. Complete the calculation:

$8 \div 10 =$

Tens	Ones	Tenths	Hundredths
	● ● ● ● ● ● ● ●		



VF

4b. Complete the calculation:

$5 \div 10 =$

Tens	Ones	Tenths	Hundredths
	● ● ● ● ●		



VF

## Divide 1 Digit by 10

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



VF

## Divide 1 Digit by 10

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



VF

6a. Which of the following numbers is the answer to  $9 \div 10$ ?

A.

Tens	Ones	Tenths	Hundredths
	0	9	

B.

Tens	Ones	Tenths	Hundredths
	9	0	



VF

6b. Which of the following numbers is the answer to  $6 \div 10$ ?

A.

Tens	Ones	Tenths	Hundredths
	6	0	

B.

Tens	Ones	Tenths	Hundredths
	0	6	



VF

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

A.  $0.3 \div 10$

B.  $3 \div 10$

C.  $10 \div 3$

Tens	Ones	Tenths	Hundredths
	0	3	



VF

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

A.  $4 \div 10$

B.  $10 \div 4$

C.  $0.4 \div 10$

Tens	Ones	Tenths	Hundredths
	0	4	



VF

8a. Complete the calculation:

$2 \div 10 =$

Tens	Ones	Tenths	Hundredths
	2		



VF

8b. Complete the calculation:

$9 \div 10 =$

Tens	Ones	Tenths	Hundredths
	9		



VF

## Divide 1 Digit by 10

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

$$\square \div 10 = \square$$

Complete the equation to find the answer.



VF

## Divide 1 Digit by 10

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

$$\square \div 10 = \square$$

Complete the equation to find the answer.



VF

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

1.8      80      0.8



VF

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

90      0.9      1.9



VF

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

A.

0.2

B.

0.4

C.

0.5



VF

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

A.

0.3

B.

0.6

C.

0.1



VF

12a. Complete the calculation:

$$7 \div 10 =$$



VF

12b. Complete the calculation:

$$9 \div 10 =$$



VF

Varied Fluency  
Divide 1 Digit by 10

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.  $2 \div 10$ ; B.  $4 \div 10$ ; C.  $5 \div 10$   
12a.  $7 \div 10 = 0.7$

Varied Fluency  
Divide 1 Digit by 10

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.  $3 \div 10$ ; B.  $6 \div 10$ ; C.  $1 \div 10$   
12b.  $9 \div 10 = 0.9$