

Arithmetic

1. $\frac{2}{5} + \frac{1}{5}$

2. $245 + 1,000$

3. 74×3

4. $37 \div 10$

Practice: Divide 1 or 2-Digits by 100

5. Recap: If you use a place value grid to divide by one hundred, you move each digit places to the .



6. Solve these calculations:

a. $9 \div 100$

b. $7 \div 100$

c. $3 \div 100$

7. What are the missing numbers?

a. $\div 100 = 0.03$

b. $\div 100 = 0.08$

8. Solve these calculations:

a. $49 \div 100$

b. $75 \div 100$

c. $28 \div 100$

9. What are the missing numbers?

a. $\div 100 = 0.94$

b. $\div 100 = 0.37$

10. Explain how to complete this calculation.

$18 \div 100$



11. Solve these calculations:

a. $500 \div 100$

b. $50 \div 100$

c. $5 \div 100$

12. Divide each of these by 10, then divide the answer by 100.

a. 70

b. 90

c. 10

13. Arnav divides 54 by 100. He gets the answer 5.4.

Is Arnav correct? Explain.



Challenge

14. How many ways can you complete this calculation:

$$\boxed{} \div 10 = \boxed{} \div 100$$

Do you notice a pattern?



You might want
to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$\frac{2}{5} + \frac{1}{5}$	$\frac{3}{5}$
2	$245 + 1,000$	1,245
3	74×3	222
4	$37 \div 10$	3.7
5	If you use a place value grid to divide by one hundred, you move each digit ? places to the ?.	If you use a place value grid to divide by one hundred, you move each digit two places to the right . When multiplying by one hundred, you move each digit two places to the left.
6	Solve these calculations:	a. 0.09, b. 0.07, c. 0.03
7	What are the missing numbers?	a. 3, b. 8
8	Solve these calculations:	a. 0.49, b. 0.75, c. 0.28
9	What are the missing numbers?	a. 94, b. 37
10	Explain how to complete this calculation. $18 \div 100$	Pupil's explanations will vary depending on their preferred way of dividing. Some pupils will draw a place value chart, showing the digits (or counters representing digits) two places to the right while others will use mathematical language to describe this process. The correct answer is 0.18 but pupils should be encouraged to focus on the explanation, not the answer.
11	Solve these calculations:	a. 5, b. 0.5, c. 0.05
12	Divide each of these by 10, then divide the answer by 100.	a. 7, 0.07, b. 9, 0.09, c. 1, 0.01
13	Is Arnav correct? Explain.	Arnav is incorrect as he has divided by 10 instead of 100. The correct answer should be 0.54.
14	How many ways can you complete this calculation: $? \div 10 = ? \div 100$ Do you notice a pattern?	Accept answers where both sides are equal. For example: $4 \div 10 = 40 \div 100$ $12 \div 10 = 120 \div 100$ $0.1 \div 10 = 1 \div 100$ The pattern is that the second number will be ten times larger than the first (40 is ten times larger than 4, 120 is ten times larger than 12).