

Y4 Dividing By 10 and 100

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

What is $7 \div 10$?

Step 1 · Dividing by 10 makes each digit 10 times smaller
7 ones become 7 tenths

Step 2 · Write it with a 0 in the ones
0.7

Answer: $7 \div 10 = 0.7$

Check: $0.7 \times 10 = 7$ ✓

2. Now try one with the steps

What is $45 \div 10$?

Step 1 · Each digit moves one place to the right

Step 2 · Write the decimal

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. $3 \div 10 = ?$

2. $9 \div 10 = ?$

3. $20 \div 10 = ?$

4. $38 \div 10 = ?$

5. $71 \div 10 = ?$

6. $56 \div 100 = ?$

7. $80 \div 100 = ?$

8. $4 \div 100 = ?$

9. In $62 \div 10 = 6.2$, what is the 2 worth in the answer?

10. In $62 \div 100 = 0.62$, what is the 2 worth in the answer?

11. Fill the gap: $\square \div 10 = 5.7$

12. Fill the gap: $93 \div \square = 0.93$

13. A 1 m long ribbon costs 85p. Write 85p in pounds. (Hint: £1 = 100p.)

14. A 25 cm length is cut into 10 equal pieces. How long is each piece in cm?

4. Before you hand it in

$38 \div 10 = 3.08$ or 0.38 .

$\div 10$ moves every digit one place right. 3 tens $\rightarrow$ 3 ones, 8 ones $\rightarrow$ 8 tenths: 3.8.

Saying 'move the decimal point' and putting it in the wrong place.

The decimal point stays still. The digits move. Use a place value chart.

$6 \div 100 = 0.6$.

6 ones moved two places right are 6 hundredths: 0.06.

Thinking $20 \div 10 = 2.0$ is different from 2.

2.0 means 2 ones and 0 tenths, which is just 2.