

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

1 $60 \div 10 =$

2 $70 \div 10 =$

3 $65 \div 10 =$

4 $27 \div 10 =$

5 $19 \div 10 =$

6 $6 \div 10 =$

7 $3 \div 10 =$

8 $\square \div 10 = 4.9$

9 $\square \div 10 = 0.1$

10 $60 \div 100 =$

11 $35 \div 100 =$

12 $\square \div 100 = 0.72$

Remember: 10mm = 1cm

13 $20\text{mm} = \quad \text{cm}$

14 $27\text{mm} = \quad \text{cm}$

15 $8\text{mm} = \quad \text{cm}$

Remember: 100cm = 1m

16 $300\text{cm} = \quad \text{m}$

17 $420\text{cm} = \quad \text{m}$

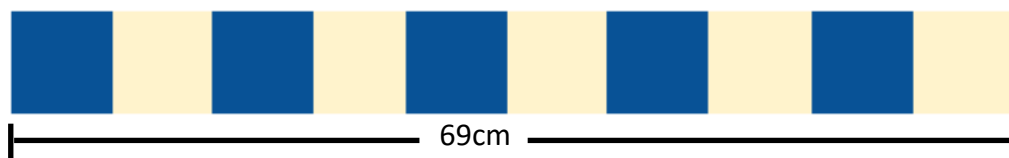
18 $52\text{cm} = \quad \text{m}$

19 $28\text{cm} = \quad \text{m}$

20 $\square \text{cm} = 0.81\text{m}$

21 $4\text{cm} = \quad \text{m}$

22 This pattern is made using 10 square tiles:



How wide is one tile?

23 It costs £5.20 to buy ten packets of crisps.



How much would it cost to buy one packet?

24 A pineapple costs £2.40



How many 10p coins would you need to buy the pineapple?

Useful interactive games to teach the skills needed to multiply and divide by 10, 100, 1000

next change level www.mathsframe.co.uk

98.7 → 0.987 → 9.87 → 9870 → 98.7

Which function is behind the green circle?

÷ 1000 ÷ 100 ÷ 10

http://mathsframe.co.uk/en/resources/resource/31/multiply_and_divide_by_10_100_and_1000_2

Find the missing function. Choose to play with decimals or just whole numbers.

next change level switch timer off

608 ÷ 1000 = ?

0.0608 0.618 60800 0.608

http://mathsframe.co.uk/en/resources/resource/30/multiply_and_divide_by_10_100_and_1000_1

Play against the clock for points. Lots of choice of level.

Multiply and Divide by 10, 100, 1000

Complete these calculations.

91.3 × 1000 = ?

913 + 100 = ?

? + 10 = 91.3

? × 100 = 9130

913 9130 9.13 91,300 91.3

http://mathsframe.co.uk/en/resources/resource/268/Multiply_and_Divide_by_10_100_1000

MATHSFRAME

0 1 2 3 4 5 6 7 8 9

10 000 1000 100 10 1 .1 .01 .001

3 4 5 .

3 4 5

Primary National Strategy

http://mathsframe.co.uk/en/resources/resource/60/itp_moving_digits