MATHSFRAME.CO.UK

L.O. multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

1) Here are six cards.

x 10	x 100	x 1000	÷ 10	÷ 100	÷ 1000

Use a card to complete each calculation.

2.7 ☐ = 270

2.7 ☐ = 0.27

2.7 ☐ = 0.027

2.7 ☐ = 2700

2) Complete these calculations.

42 x 100 = ☐

42 ÷ 100 = ☐

☐ x 10 = 42

☐ ÷ 10 = 42

3) Remember: 1 cm = 10 mm, 1 m = 100 cm, 1 km = 1000 m

4.5 cm = ☐ mm

3.25 m = ☐ cm

1.125 km = ☐ m

6305 m = ☐ km

308 cm = ☐ m

2.005 km = ☐ m

12.4 cm = ☐ mm

12.4 cm = ☐ m

4) Complete these calculations.

100 x 100 = ☐

30.28 x 10 = ☐

☐ x 10 = 470.02

7200 ÷ ☐ = 100

Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

Teacher's notes

Answers:

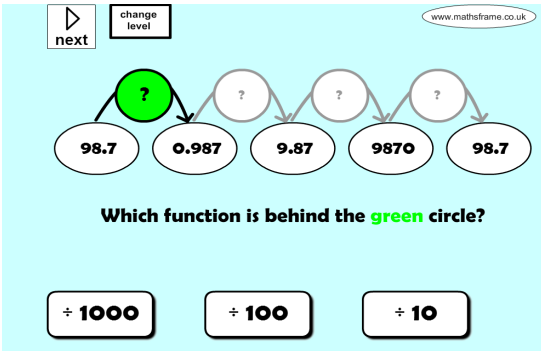
1) 2.7 x 100 = 270, 2.7 ÷ 10 = 0.27, 2.7 ÷ 100 = 0.027, 2.7 x 1000 = 2700

2) 42 x 100 = 4200, 42 ÷ 100 = 0.42, 4.2 x 10 = 42, 420 ÷ 10 = 42

3) 4.5cm = 45mm, 3.25m = 325cm, 1.125km = 1125m, 6305m = 6.305km, 308cm = 3.08m
2.005km = 2005m, 12.4cm = 124mm, 12.4cm = 0.124m

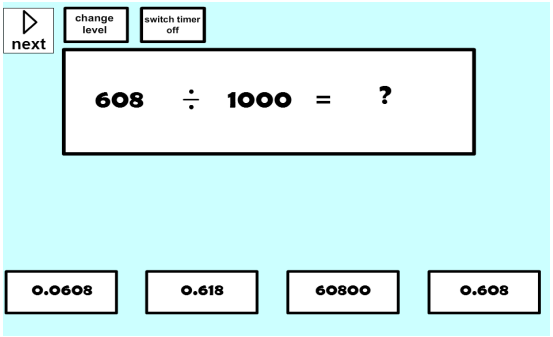
4) 100 x 100 = 10,000, 30.28 x 10 = 302.8, 47.002 x 10 = 470.02, 7200 ÷ 72 = 100

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



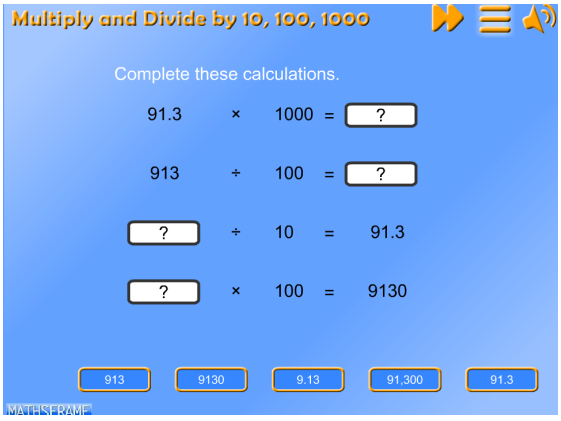
http://mathsframe.co.uk/en/resources/resource/31/multiply_and_divide_by_10_100_and_1000_2_

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



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.



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