

Maths Mastery Multiply and Divide by 10, 100 and 1000 - Answers

Card 1

$$34 \times 10 = 340 \text{ Correct}$$

$$0.6 \times 10 = 60 \times 6$$

$$5.7 \times 10 = 57 \text{ Correct}$$

$$0.003 \times 10 = 0.3 \times 0.03$$

$$8900 \times 10 = 890 \times 89 \text{ 000}$$

$$902 \times 10 = 9200 \times 9020$$

$$8.03 \times 10 = 80.3 \text{ Correct}$$

Card 2

$$212 \times 10 = 2120 \text{ Correct}$$

$$0.05 \times 10 = 5 \times 0.5$$

$$34.91 \times 10 = 349.1 \text{ Correct}$$

$$50.3 \times 10 = 503 \text{ Correct}$$

$$0.52 \times 10 = 52 \times 5.2$$

$$9.09 \times 10 = 99 \times 90.9$$

$$71 \text{ 000} \times 10 = 710 \text{ 000 Correct}$$

Card 3

$$0.3 \div 10 = 0.03$$

Examples will vary.

Card 4

1. 100 children are each given £1.20. How much money is given out altogether?

$$1.20 \times 100 = \text{£}120$$

2. At a school disco, there are 34 litres of lemonade. The 100 children at the disco are each given an equal share. How much lemonade does each child receive?

$$34 \div 100 = 0.34\text{L}$$

3. Some children lay 100 pencils in a long line. Each pencil is 0.14m long. What is the length of the line of pencils?

$$0.14 \times 100 = 14\text{m}$$

Question 1 and 3 were multiplied by 100.

Card 5

$$6 \div 100 = 0.06 \text{ Correct}$$

$$34 \div 100 = 0.034 \times 0.34$$

$$5.7 \div 100 = 0.057 \text{ Correct}$$

$$0.3 \div 100 = 0.03 \times 0.003$$

$$8900 \div 100 = 89 \text{ Correct}$$

$$902 \div 100 = 0.92 \times 9.02$$

$$8.03 \div 100 = 0.083 \times 0.0803$$

Card 6

$$212 \div 100 = 2.12 \text{ Correct}$$

$$500 \div 100 = 5 \text{ Correct}$$

$$34.91 \div 100 = 0.349 \times 0.3491$$

$$50.3 \div 100 = 0.5003 \times 0.503$$

$$520 \div 100 = 5.2 \text{ Correct}$$

$$9.09 \div 100 = 0.099 \times 0.0909$$

$$71 \text{ 000} \div 100 = 71 \times 710$$

Card 7

$$0.04 \times 1000 = 40$$

Examples will vary.