

Year 5: Multiplying by 10, 100 and 1,000: answers

Year 5 - Long Multiplication - Lesson 4.1

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-5/ch04-multiplication/multiplying-by-10-100-and-1-000/

Exercise 4A Multiplying by 10, 100 and 1,000

Non-calculator

1 Work out each multiplication by 10.

(a) $7 \times 10 =$

Answer: 70

(b) $46 \times 10 =$

Answer: 460

(c) $130 \times 10 =$

Answer: 1,300

(d) $905 \times 10 =$

Answer: 9,050

2 Work out each multiplication by 100.

(a) $8 \times 100 =$

Answer: 800

(b) $53 \times 100 =$

Answer: 5,300

(c) $420 \times 100 =$

Answer: 42,000

(d) $306 \times 100 =$

Answer: 30,600

3 Work out each multiplication by 1,000.

(a) $9 \times 1,000 =$

Answer: 9,000

(b) $64 \times 1,000 =$

Answer: 64,000

(c) $380 \times 1,000 =$

Answer: 380,000

(d) $741 \times 1,000 =$

Answer: 741,000

4 Quick-fire! Work out each answer.

(a) $62 \times 10 =$

Answer: 620

(b) $62 \times 100 =$

Answer: 6,200

(c) $62 \times 1,000 =$

Answer: 62,000

(d) $310 \times 10 =$

Answer: 3,100

(e) $205 \times 100 =$

Answer: 20,500

(f) $48 \times 1,000 =$

Answer: 48,000

(g) $700 \times 10 =$

Answer: 7,000

(h) $1,500 \times 100 =$

Answer: 150,000

5 Multiply each decimal by 10.

(a) $3.6 \times 10 =$

Answer: 36

(b) $0.7 \times 10 =$

Answer: 7

(c) $12.4 \times 10 =$

Answer: 124

(d) $0.05 \times 10 =$

Answer: 0.5

(e) $8.25 \times 10 =$

Answer: 82.5

6 Multiply each decimal by 100 or by 1,000.

(a) $2.4 \times 100 =$

Answer: 240

(b) $0.38 \times 100 =$

Answer: 38

(c) $7.05 \times 100 =$

Answer: 705

(d) $0.9 \times 1,000 =$

Answer: 900

(e) $3.472 \times 1,000 =$

Answer: 3,472

(f) $0.062 \times 1,000 =$

Answer: 62

7 Find each missing number.

(a) $4.5 \times \boxed{?} = 450$

Answer: 100

(b) $\boxed{?} \times 10 = 360$

Answer: 36

(c) $0.07 \times \boxed{?} = 70$

Answer: 1,000

(d) $\boxed{?} \times 100 = 290$

Answer: 2.9

(e) $63 \times \boxed{?} = 630$

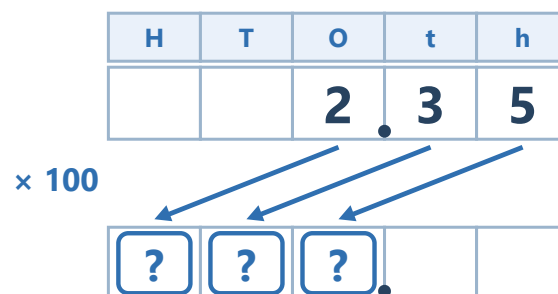
Answer: 10

(f) $\boxed{?} \times 1,000 = 804$

Answer: 0.804

8 Look at each place-value chart.

(a)



What is the answer?

Answer: 235

(b)

$\times ?$

0	t	h
0	1	8
1	8	

What is the number you multiplied by?

Answer: 10

9 Change each measurement to the smaller unit.

(a) 2.5 km = ? m

Answer: 2,500 m

(b) 3.7 kg = ? g

Answer: 3,700 g

(c) £4.85 = ? p

Answer: 485p

(d) 0.6 litres = ? ml

Answer: 600 ml

(e) 1.25 m = ? cm

Answer: 125 cm

10 A school buys 100 stickers. Each sticker costs 35p. How much do they cost altogether? Give your answer in pounds.

Answer: £35

11 One sheet of card is 0.8 mm thick. How thick is a pile of 1,000 sheets of card? Give your answer in millimetres.

Answer: 800 mm

12 Ali says, " $4.5 \times 10 = 4.50$, because you add a zero." Explain what Ali has done wrong and give the correct answer.

Answer: 45. Ali added a zero; the digits should move.

13 Always, sometimes or never?

(a) When you multiply a number by 100, every digit moves 2 places to the left.

Answer: Always

(b) When you multiply a number by 10, the answer ends in 0.

Answer: Sometimes

14 Which is the odd one out? Explain how you know. 5.6×100 56×10 $0.56 \times 1,000$ 560×10

Answer: 560×10

15 Challenge! Find the missing number. $0.045 \times \boxed{?} = 450$

Answer: 10,000

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