

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

Year 5 - Long Multiplication - Lesson 4.1

Name: _____

Date: _____

Score: _____

15 questions. Write your answers in the spaces. Answers and step-by-step help 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: _____

(b) $46 \times 10 =$

Answer: _____

(c) $130 \times 10 =$

Answer: _____

(d) $905 \times 10 =$

Answer: _____

2 Work out each multiplication by 100.

(a) $8 \times 100 =$

Answer: _____

(b) $53 \times 100 =$

Answer: _____

(c) $420 \times 100 =$

Answer: _____

(d) $306 \times 100 =$

Answer: _____

3 Work out each multiplication by 1,000.

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

4 Quick-fire! Work out each answer.

(a) $62 \times 10 =$

Answer:

(b) $62 \times 100 =$

Answer:

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

Answer:

(d) $310 \times 10 =$

Answer:

(e) $205 \times 100 =$

Answer:

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

Answer:

(g) $700 \times 10 =$

Answer:

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

Answer:

5 Multiply each decimal by 10.

(a) $3.6 \times 10 =$

Answer:

(b) $0.7 \times 10 =$

Answer:

(c) $12.4 \times 10 =$

Answer:

(d) $0.05 \times 10 =$

Answer:

(e) $8.25 \times 10 =$

Answer:

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

(a) $2.4 \times 100 =$

Answer:

(b) $0.38 \times 100 =$

Answer:

(c) $7.05 \times 100 =$

Answer:

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

Answer:

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

Answer:

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

Answer:

7 Find each missing number.

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

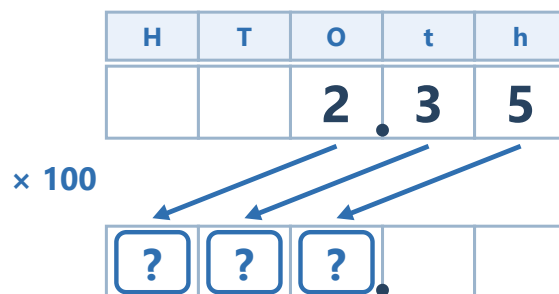
Answer:

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

Answer:

8 Look at each place-value chart.

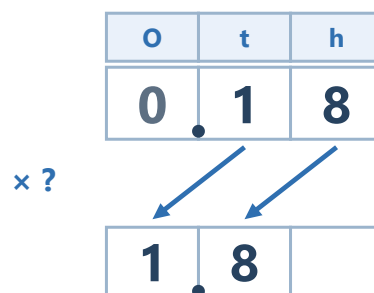
(a)



What is the answer?

Answer:

(b)



What is the number you multiplied by?

Answer:

9 Change each measurement to the smaller unit.

(a) $2.5 \text{ km} = ? \text{ m}$

Answer:

(b) $3.7 \text{ kg} = ? \text{ g}$

Answer:

(c) $\text{£}4.85 = ? \text{ p}$

Answer:

(d) $0.6 \text{ litres} = ? \text{ ml}$

Answer:

(e) $1.25 \text{ m} = ? \text{ cm}$

Answer:

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

Answer:

- 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:

- 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:

- 13** Always, sometimes or never?

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

Answer:

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

Answer:

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

Answer:

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

Answer: