

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

Year 5 - Short Division and Remainders - Lesson 5.1

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/ch05-division/dividing-by-10-100-and-1-000/

Exercise 5A Dividing by 10, 100 and 1,000 Non-calculator

1 Work out each division by 10.

(a) $70 \div 10 =$

Answer: 7

(b) $250 \div 10 =$

Answer: 25

(c) $1,300 \div 10 =$

Answer: 130

(d) $8,060 \div 10 =$

Answer: 806

2 Work out each division by 100.

(a) $800 \div 100 =$

Answer: 8

(b) $4,500 \div 100 =$

Answer: 45

(c) $36,000 \div 100 =$

Answer: 360

(d) $7,300 \div 100 =$

Answer: 73

3 Work out each division by 1,000.

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

Answer: 9

(b) $42,000 \div 1,000 =$

Answer: 42

(c) $6,500 \div 1,000 =$

Answer: 6.5

(d) $780 \div 1,000 =$

Answer: 0.78

4 Quick-fire! Work out each answer.

(a) $540 \div 10 =$

Answer: 54

(b) $540 \div 100 =$

Answer: 5.4

(c) $540 \div 1,000 =$

Answer: 0.54

(d) $7 \div 10 =$

Answer: 0.7

(e) $2,300 \div 100 =$

Answer: 23

(f) $91 \div 100 =$

Answer: 0.91

5 Divide each decimal by 10.

(a) $3.6 \div 10 =$

Answer: 0.36

(b) $0.7 \div 10 =$

Answer: 0.07

(c) $12.4 \div 10 =$

Answer: 1.24

(d) $0.05 \div 10 =$

Answer: 0.005

(e) $8.25 \div 10 =$

Answer: 0.825

6 Divide each number by 100 or by 1,000.

(a) $2.4 \div 100 =$

Answer: 0.024

(b) $38 \div 100 =$

Answer: 0.38

(c) $7.05 \div 100 =$

Answer: 0.0705

(d) $9 \div 1,000 =$

Answer: 0.009

(e) $347.2 \div 1,000 =$

Answer: 0.3472

(f) $62 \div 1,000 =$

Answer: 0.062

7 Find each missing number.

(a) $4.5 \div \boxed{?} = 0.045$

Answer: 100

(b) $\boxed{?} \div 10 = 3.6$

Answer: 36

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

Answer: 1,000

(d) $\boxed{?} \div 100 = 0.029$

Answer: 2.9

(e) $63 \div \boxed{?} = 6.3$

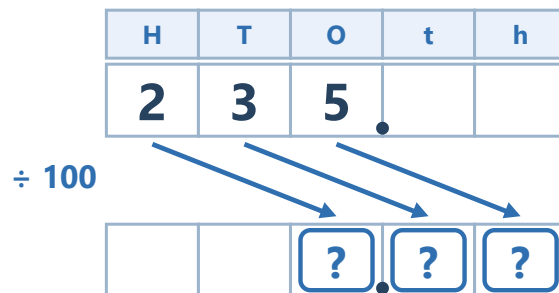
Answer: 10

(f) $\boxed{?} \div 1,000 = 0.804$

Answer: 804

8 Look at each place-value chart.

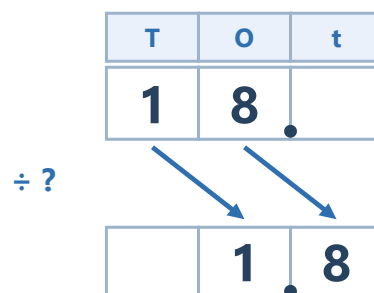
(a)



What is the answer?

Answer: 2.35

(b)



What did the digits move by? What is the number you divided by?

Answer: 10

9 Change each measurement to the bigger unit.

(a) $3,500 \text{ m} = ? \text{ km}$

Answer: 3.5 km

(b) $450 \text{ cm} = ? \text{ m}$

Answer: 4.5 m

(c) $2,750 \text{ g} = ? \text{ kg}$

Answer: 2.75 kg

(d) $825 \text{ ml} = ? \text{ litres}$

Answer: 0.825 litres

(e) $365\text{p} = \text{£} ?$

Answer: £3.65

10 A pack of 100 stickers costs £37. How many pence does one sticker cost?

Answer: 37p

11 A bakery makes 3,000 rolls. The rolls are put into packs of 10. How many packs are there?

Answer: 300 packs

12 Noah says, " $6.4 \div 10 = 6.04$." What has Noah done wrong? What is the correct answer?

Answer: 0.64. Every digit moves one place to the right, including the 6.

13 Always, sometimes or never?

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

Answer: Always

(b) When you divide a whole number by 10, the answer is a whole number.

Answer: Sometimes

14 Which is the odd one out? Explain how you know. $4,800 \div 100$ $480 \div 10$ $48,000 \div 1,000$ $4,800 \div 10$

Answer: $4,800 \div 10$

15 Challenge! Find the missing number. $6.3 \div \boxed{?} = 0.0063$

Answer: 1,000