

Year 4: Dividing by 10 and 100: answers

Year 4 - Tenth, Hundredths and Money - Lesson 6.4

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch06-decimals-money/dividing-by-10-and-100/

Exercise 6D Dividing by 10 and 100 Non-calculator

1 Quick-fire! Divide each number by 10.

(a) $3 \div 10 =$

Answer: 0.3

(b) $9 \div 10 =$

Answer: 0.9

(c) $20 \div 10 =$

Answer: 2

(d) $45 \div 10 =$

Answer: 4.5

(e) $70 \div 10 =$

Answer: 7

(f) $86 \div 10 =$

Answer: 8.6

2 Quick-fire! Divide each number by 100.

(a) $4 \div 100 =$

Answer: 0.04

(b) $8 \div 100 =$

Answer: 0.08

(c) $60 \div 100 =$

Answer: 0.6

(d) $37 \div 100 =$

Answer: 0.37

(e) $90 \div 100 =$

Answer: 0.9

(f) $52 \div 100 =$

Answer: 0.52

3 Use the place-value charts. Write the answers.

(a)

Tens		Ones		tenths	hundredths
Start		5	.		

÷ 10

		.		
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$$5 \div 10 =$$

Answer: 0.5

(b)

Tens		Ones		tenths	hundredths
Start		3	4	.	

÷ 10

		.		
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$$34 \div 10 =$$

Answer: 3.4

(c)

Tens		Ones		tenths	hundredths
Start		7	.		

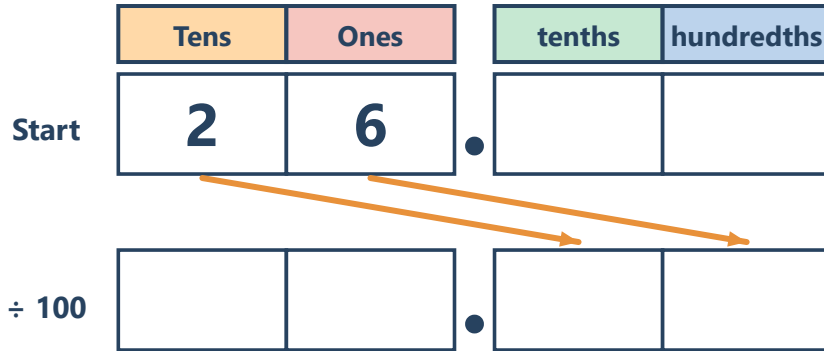
÷ 100

		.		
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$$7 \div 100 =$$

Answer: 0.07

(d)



$$26 \div 100 =$$

Answer: 0.26

4 Find each missing number.

(a) $\boxed{?} \div 10 = 7$

Answer: 70

(b) $\boxed{?} \div 100 = 0.9$

Answer: 90

(c) $\boxed{?} \div 10 = 4.2$

Answer: 42

(d) $\boxed{?} \div 100 = 0.35$

Answer: 35

5 Is the missing number 10 or 100?

(a) $8 \div \boxed{?} = 0.8$

Answer: 10

(b) $63 \div \boxed{?} = 0.63$

Answer: 100

(c) $95 \div \boxed{?} = 9.5$

Answer: 10

(d) $4 \div \boxed{?} = 0.04$

Answer: 100

6 Each number is divided by 10 to make the next one. Write the missing numbers.

(a) 600, 60, $\boxed{?}$, 0.6, $\boxed{?}$

Answer: 6, 0.06

(b) 90, 9, $\boxed{?}$, $\boxed{?}$

Answer: 0.9, 0.09

(c) $70, \boxed{?}, 0.7, \boxed{?}$

Answer: 7, 0.07

7 Change each length into the bigger unit.

(a) $300 \text{ cm} = \boxed{?} \text{ m}$

Answer: 3 m

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

Answer: 4.5 m

(c) $36 \text{ mm} = \boxed{?} \text{ cm}$

Answer: 3.6 cm

(d) $7 \text{ mm} = \boxed{?} \text{ cm}$

Answer: 0.7 cm

8 This time change metres into centimetres. Multiply by 100.

(a) $3.5 \text{ m} = \boxed{?} \text{ cm}$

Answer: 350 cm

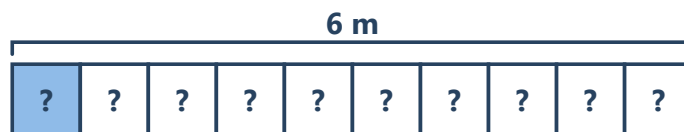
(b) $0.72 \text{ m} = \boxed{?} \text{ cm}$

Answer: 72 cm

(c) $6 \text{ m} = \boxed{?} \text{ cm}$

Answer: 600 cm

9 A rope is 6 m long.



(a) The rope is cut into 10 equal pieces. How long is each piece?

Answer: 0.6 m

(b) Another 6 m rope is cut into 100 equal pieces. How long is each piece?

Answer: 0.06 m

10 Write each stride length in metres.

(a) Tom's stride is 75 cm long.

Answer: 0.75 m

(b) Amira's stride is 68 cm long.

Answer: 0.68 m

11 Jack says, " $5 \div 10 = 0.05$." What mistake has Jack made? What is the correct answer?

Answer: 0.5

12 Always, sometimes or never? When you divide a two-digit number by 100, the answer is less than 1.

Answer: Always

13 Which two calculations have the answer 0.4? Tick **two** boxes.

A $4 \div 10$ **B** $40 \div 100$ **C** $40 \div 10$ **D** $4 \div 100$ **E** $400 \div 100$

Answer: A and B

14 Amira divides a number by 10 and then divides her answer by 10 again. What single number could she have divided by instead? Show it with 50.

Answer: 100