

Year 4: Multiplying and dividing by 10 and 100: answers

Year 4 - Short Multiplication and Short Division - 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-4/ch04-multiplying-dividing/multiplying-and-dividing-by-10-and-100/

Exercise 4A Multiplying and dividing by 10 and 100 Non-calculator

1 Quick-fire! Multiply by 10.

(a) $8 \times 10 =$

Answer: 80

(b) $23 \times 10 =$

Answer: 230

(c) $65 \times 10 =$

Answer: 650

(d) $90 \times 10 =$

Answer: 900

(e) $147 \times 10 =$

Answer: 1,470

(f) $380 \times 10 =$

Answer: 3,800

2 Quick-fire! Multiply by 100.

(a) $4 \times 100 =$

Answer: 400

(b) $17 \times 100 =$

Answer: 1,700

(c) $60 \times 100 =$

Answer: 6,000

(d) $205 \times 100 =$

Answer: 20,500

(e) $308 \times 100 =$

Answer: 30,800

(f) $99 \times 100 =$

Answer: 9,900

3 Quick-fire! Divide by 10.

(a) $70 \div 10 =$

Answer: 7

(b) $340 \div 10 =$

Answer: 34

(c) $800 \div 10 =$

Answer: 80

(d) $1,250 \div 10 =$

Answer: 125

(e) $4,060 \div 10 =$

Answer: 406

(f) $9,000 \div 10 =$

Answer: 900

4 Quick-fire! Divide by 100.

(a) $600 \div 100 =$

Answer: 6

(b) $4,700 \div 100 =$

Answer: 47

(c) $3,000 \div 100 =$

Answer: 30

(d) $9,500 \div 100 =$

Answer: 95

(e) $7,200 \div 100 =$

Answer: 72

(f) $8,000 \div 100 =$

Answer: 80

5 Mixed quick-fire! Watch the signs.

(a) $56 \times 10 =$

Answer: 560

(b) $300 \div 10 =$

Answer: 30

(c) $7 \times 100 =$

Answer: 700

(d) $2,900 \div 100 =$

Answer: 29

(e) $410 \times 10 =$

Answer: 4,100

(f) $6,000 \div 10 =$

Answer: 600

(g) $83 \times 100 =$

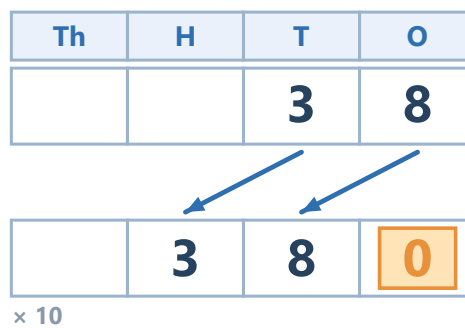
Answer: 8,300

(h) $500 \div 100 =$

Answer: 5

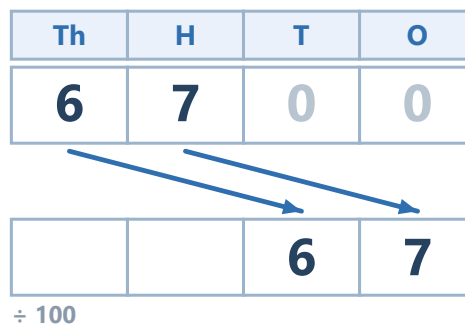
6 Each picture shows the digits of a number moving. Write the calculation and the answer that each picture shows.

(a)



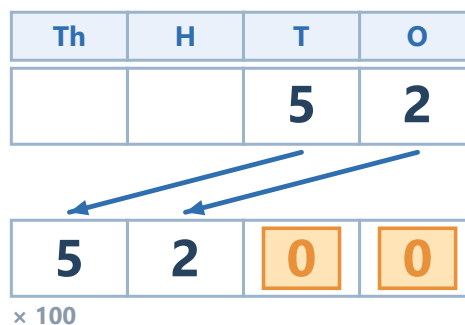
Answer: $38 \times 10 = 380$

(b)



Answer: $6,700 \div 100 = 67$

(c)



Answer: $52 \times 100 = 5,200$

7 Find the missing number in each sentence.

(a) $45 \times \boxed{?} = 4,500$

Answer: 100

(b) $8 \times \boxed{?} = 80$

Answer: 10

(c) $\boxed{?} \times 10 = 370$

Answer: 37

(d) $\boxed{?} \times 100 = 6,200$

Answer: 62

(e) $\boxed{?} \div 10 = 54$

Answer: 540

(f) $900 \div \boxed{?} = 9$

Answer: 100

8 Write down:

(a) a number that is 10 times bigger than 76

Answer: 760

(b) a number that is 100 times bigger than 9

Answer: 900

(c) a number that is 10 times smaller than 830

Answer: 83

(d) a number that is 100 times smaller than 6,100

Answer: 61

9 There are 10 pencils in a box. A school orders 85 boxes. How many pencils is that?

Answer: 850 pencils

10 A sweet costs 10p. Zainab buys 64 sweets. How much does she spend? Give your answer in pence.

Answer: 640p

11 A rope is 3,500 cm long. There are 100 cm in 1 m. How many metres long is the rope?

Answer: 35 m

12 Zainab says, " $700 \div 10 = 7$, because you take the zeros away." Is Zainab right? Explain.

Answer: No. $700 \div 10 = 70$

13 Always, sometimes or never? When you multiply a whole number by 10, the answer ends in 0.

Answer: Always

14 Which one is the odd one out? A 5×100 B 50×10 C 500×10 D $5,000 \div 10$

Answer: C (500×10)

15 I think of a number. I multiply it by 100 and get 6,300.

(a) What number did I think of?

Answer: 63

(b) What do I get if I divide 6,300 by 10?

Answer: 630