

Year 5: Multiplying by a one-digit number: worksheet

Year 5 - Long Multiplication - Lesson 4.3

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-a-one-digit-number/

Exercise 4C Multiplying by a one-digit number Non-calculator

1 Use the grid method to work out each multiplication.

(a) $253 \times 3 =$

Answer: _____

(b) $417 \times 5 =$

Answer: _____

(c) $1,324 \times 4 =$

Answer: _____

(d) $2,038 \times 3 =$

Answer: _____

2 Use short multiplication to work out each multiplication.

(a) $325 \times 4 =$

Answer: _____

(b) $247 \times 6 =$

Answer: _____

(c) $518 \times 3 =$

Answer: _____

(d) $769 \times 8 =$

Answer: _____

3 Use short multiplication to work out each multiplication. These numbers have 4 digits.

(a) $1,234 \times 5 =$

Answer: _____

(b) $3,726 \times 4 =$

Answer: _____

(c) $5,408 \times 6 =$

Answer: _____

(d) $6,845 \times 7 =$

Answer: _____

4 Quick-fire! Work out each answer. Watch out for the zeros.

(a) $2,500 \times 4 =$

Answer:

(b) $3,070 \times 9 =$

Answer:

(c) $4,008 \times 6 =$

Answer:

(d) $9,999 \times 2 =$

Answer:

(e) $7,305 \times 3 =$

Answer:

(f) $8,888 \times 5 =$

Answer:

5 Aisha is working out $3,264 \times 7$. Here is her working so far.

	TTh	Th	H	T	O
		3	2	6	4
$\times$					7
				4	8
			4	2	

(a) What number does she carry from the tens column to the hundreds column?

Answer:

(b) What is the final answer?

Answer:

6 The picture shows $1,426 \times 5$ using the grid method. Work out the missing numbers and the answer.

	1,000	400	20	6
5	?	?	?	?

Answer:

7 Work out the answer to each problem. The bar model will help.

(a) A cinema has 8 screens. Each screen has 245 seats. How many seats are there altogether?

Answer:

(b) A school buys 5 boxes of paper. Each box has 2,150 sheets. How many sheets is that?

Answer:

(c) Tom walks 1,672 steps every day. How many steps does he walk in 9 days?

Answer:

8 Work out the total cost. Give each answer in pounds.

(a) 6 items at £12.50 each

Answer:

(b) 8 items at £3.45 each

Answer:

(c) 4 items at £7.99 each

Answer:

9 Estimate first, then use short multiplication to work out each multiplication.

(a) $2,618 \times 3$

Answer:

(b) $7,481 \times 8$

Answer:

10 A school buys 6 laptops at £349 each and 6 cases at £18 each. How much does the school spend altogether?

Answer:

11 Jack works out 348×6 and gets 1,848. Is he correct? Explain what he has done wrong.

Answer:

12 Priya works out $4,056 \times 7$ and writes 28,092. Find her mistake and write the correct answer.

Answer:

13 Always, sometimes or never?

(a) A whole number multiplied by 6 gives an even answer.

Answer:

(b) A 4-digit number multiplied by 5 gives a 5-digit answer.

Answer:

14 Each box stands for one missing digit. What digit goes in the box? $3 \boxed{?} 6 \times 5 = 1,630$

Answer:

15 Challenge! Use each digit card once: 2, 4, 7, 9. Make a 3-digit number and a 1-digit number to multiply. What is the biggest product you can make?

Answer: