

UNIT 17 MULTIPLICATION AND DIVISION • TOPIC 17.1

Using an efficient column method for multiplication

★ ☆ ☆ Getting started

Name

Date

Score

/ 16

Show you understand the basics. Write your answers in the boxes and on the lines.

1 Estimate first. Then use the column method.

2 marks

(a) 214×3

(b) 326×4

Estimate:

Estimate:

$$\begin{array}{r} 214 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 326 \\ \times 4 \\ \hline \end{array}$$

2 Calculate.

3 marks

(a) 152×6

(b) 407×5

(c) 238×7

$$\begin{array}{r} 152 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 407 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \\ \times 7 \\ \hline \end{array}$$

3 There are 365 days in a year. How many days are there in 4 years? (Do not count the extra day in a leap year.)

2 marks

Estimate:

$$\begin{array}{r} 365 \\ \times 4 \\ \hline \end{array}$$

Answer: days

4 A farmer packs 236 mangoes into each crate. How many mangoes are there in 5 crates?

2 marks

$$\begin{array}{r} 236 \\ \times 5 \\ \hline \end{array}$$

Answer: mangoes

- 5 Halima works out 253×4 . Her answer is wrong.

2 marks

$$\begin{array}{r} 253 \\ \times 4 \\ \hline 802 \end{array}$$

- (a) What mistake has Halima made?

- (b) Write the correct answer.

- 6 Draw a ring around the best estimate for 497×6 .

1 mark

300 2 400 3 000 30 000

- 7 This machine multiplies every number by 7. Complete the table.

2 marks

IN	$\times 7$	OUT
105	$\rightarrow$	
230	$\rightarrow$	
316	$\rightarrow$	
	$\rightarrow$	1 400

- 8 Use the fact $4 \times 6 = 24$ to help you.

2 marks

(a) $40 \times 6 =$

(b) $400 \times 6 =$

(c) $423 \times 6 = 400 \times 6 + 20 \times 6 + 3 \times 6 =$

How did I do?

☐ Easy ☐ OK ☐ Tricky

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