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Solve numbers 1 to 16.

1. What number is missing?

$$7 \times 8 = 8 \times \blacksquare$$

- (A) 1
- (B) 7
- (C) 15
- (D) 56

2. Which has a product of 300?

- (A) 60×5
- (B) 10×3
- (C) 50×60
- (D) 30×100

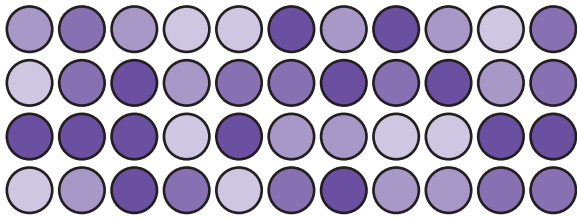
3.
$$\begin{array}{r} 37 \\ \times 3 \\ \hline \end{array}$$

- (A) 111
- (B) 100
- (C) 91
- (D) 90

4.
$$\begin{array}{r} 53 \\ \times 28 \\ \hline \end{array}$$

- (A) 1464
- (B) 1471
- (C) 1478
- (D) 1484

5. Gil has 44 coloured chips. He sorts the chips equally into 6 bags. How many chips does he place in each bag? How many are left over?



- (A) 7
- (B) 7 R 2
- (C) 8
- (D) 8 R 4

6. Devon is stacking 89 books in 4 piles. If he stacks the same number of books in each pile, how many books will he have left over?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

7. Danielle orders 95 basketball caps. She divides them evenly between 6 teams. She gives each team as many as she can and keeps the leftover caps for next season. How many caps does each team get?

- (A) 16
- (B) 15
- (C) 6
- (D) 5

8. What is the missing number?

$$\frac{3}{8} = \frac{6}{\square}$$

- (A) 11
- (B) 16
- (C) 18
- (D) 24

9. Which fraction is **not** equivalent to $\frac{6}{12}$?
- (A) $\frac{2}{4}$
 - (B) $\frac{3}{6}$
 - (C) $\frac{4}{12}$
 - (D) $\frac{1}{2}$

10. Carrie walked to the library and back. The place-value chart shows the distance she walked in kilometres.

ones	.	tenths	hundredths
2	.	8	0

What is the distance written in words?

- (A) two hundred and eighty kilometres
- (B) two and eight hundredths kilometres
- (C) twenty-eight hundredths of a kilometre
- (D) two and eighty hundredths kilometres

11. Tim rode his bicycle 10.25 kilometres on Monday, 10.30 kilometres on Wednesday and 10.28 kilometres on Friday. Which lists the distances in order from least to greatest?

- (A) 10.25, 10.30, 10.28
- (B) 10.30, 10.28, 10.25
- (C) 10.25, 10.28, 10.30
- (D) 10.30, 10.25, 10.28

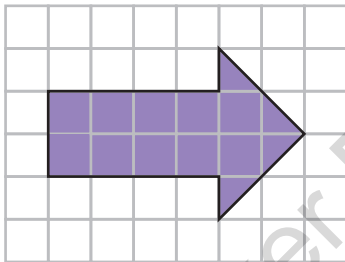
12. Which fraction is equivalent to 0.24?

- (A) $\frac{1}{4}$
- (B) $\frac{1}{24}$
- (C) $\frac{4}{25}$
- (D) $\frac{6}{25}$

13. Which is a measurement of an acute angle?

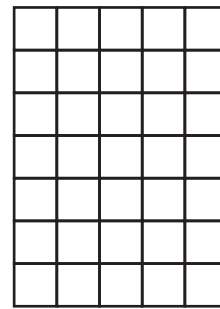
- (A) 180°
- (B) 99°
- (C) 90°
- (D) 89°

14. Gary is painting this sign for an airport runway. Each square is 1 square metre. What is the area of the arrow?



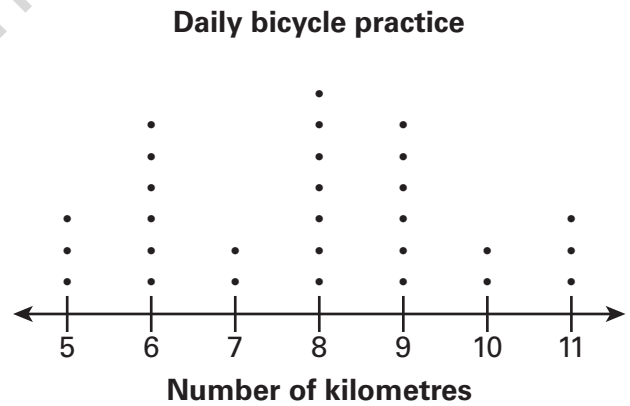
- (A) 10 square metres
- (B) 11 square metres
- (C) 12 square metres
- (D) 13 square metres

15. What is the area of the figure?



- (A) 35 square units
- (B) 28 square units
- (C) 24 square units
- (D) 12 square units

16. Stacia kept a log of the distance she rode her bicycle each day. The dot plot below shows the data that she collected.



How many more days did Stacia ride 8 kilometres than 10 kilometres?

- (A) 2
- (B) 5
- (C) 7
- (D) 9

Post test

Multiplication properties

Solve numbers 1 to 5.

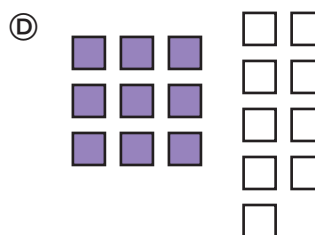
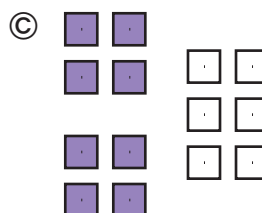
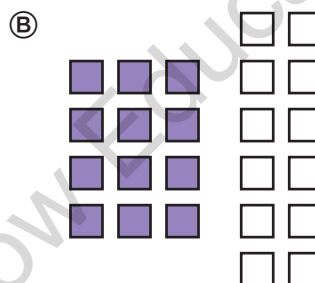
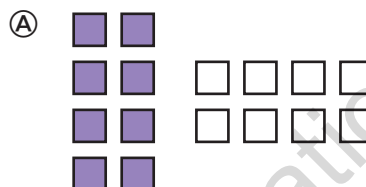
- Which equation shows the Commutative Property of Multiplication?
 - $3 + 7 = 7 + 3$
 - $3 \times 7 = 7 \times 3$
 - $3 + (7 + 7) = (3 + 7) + 7$
 - $3 \times (7 \times 7) = (3 \times 7) \times 7$
- Which of the following statements is true?
 - If $8 \times 9 = 72$, then $9 \times 8 = 17$.
 - If $8 \times 9 = 72$, then $9 \times 8 = 27$.
 - If $8 \times 9 = 72$, then $9 \times 8 = 71$.
 - If $8 \times 9 = 72$, then $9 \times 8 = 72$.
- Mr Trice bought 2 sets of note cards. Each set has 10 note cards in 3 different styles.

$$2 \times (10 \times 3)$$

What is another way to find how many note cards were bought in all?

- $(2 \times 10) + 3$
- $(2 \times 10) \times 3$
- $2 + (10 \times 3)$
- $2 + (10 + 3)$

- Marcus draws a picture to model the Commutative Property of Multiplication. Which picture correctly shows this property?



- What number is missing?

$$3 \times (8 \times \blacksquare) = (3 \times 8) \times 6$$

- 48
- 24
- 6
- 3