Assessment

CAMS® series D

CAMS Comprehensive Assessment of Mathematics Strategies

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Solve numbers 1 through 5.

1. If $5 \times 7 = 35$, then $7 \times 5 =$ ■.

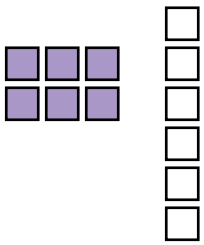
Ⓐ 12

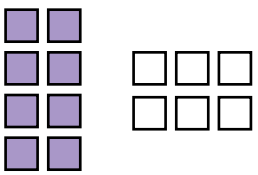
Ⓑ 35

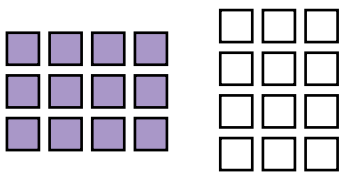
Ⓒ 45

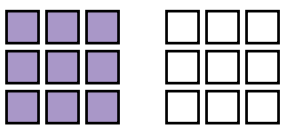
Ⓓ 53

2. Which picture shows the Commutative Property of Multiplication?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

3. What number is missing?

$(2 \times 7) \times 4 = 2 \times (7 \times$ ■$)$

Ⓐ 2

Ⓑ 4

Ⓒ 14

Ⓓ 28

4. Which equation shows the Commutative Property of Multiplication?

Ⓐ $4 \times 8 = 8 \times 4$

Ⓑ $4 + 8 = 8 + 4$

Ⓒ $4 \times (8 \times 8) = (4 \times 8) \times 8$

Ⓓ $4 + (8 + 8) = (4 + 8) + 8$

5. Mrs. Baker has 5 packages of notepads. Each package has 8 notepads in 4 different colors.

$5 \times (8 \times 4)$

What is another way to find the total number of notepads?

Ⓐ $5 + (8 \times 4)$

Ⓑ $5 + (8 + 4)$

Ⓒ $(5 \times 8) + 4$

Ⓓ $(5 \times 8) \times 4$

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Solve numbers 6 through 10.

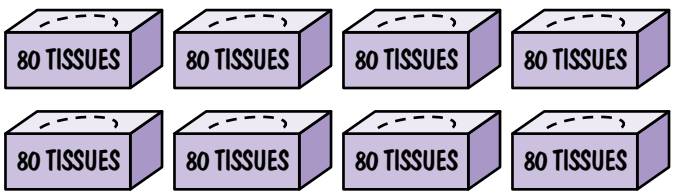
6. $40 \times 90 = \square$

Ⓐ 130
Ⓑ 360
Ⓒ 1,300
Ⓓ 3,600

7. There are 200 paper clips in a box. Celia buys 5 boxes of paper clips. How many paper clips does she buy in all?

Ⓐ 4
Ⓑ 40
Ⓒ 100
Ⓓ 1,000

8. There are 80 tissues in each box. Steve buys a package with 8 boxes of tissues.



How many tissues are in 8 boxes?

Ⓐ 64
Ⓑ 88
Ⓒ 640
Ⓓ 880

9. $400 \times \square = 2{,}400$

Ⓐ 6
Ⓑ 60
Ⓒ 600
Ⓓ 6,000

10. Jill sells her paintings for $40 each. She sells 4 paintings at the fair. How much money does Jill earn?

Ⓐ $16
Ⓑ $44
Ⓒ $160
Ⓓ $404

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Benchmark 1

Solve numbers 1 through 16.

1. What number is missing?

$$7 \times 8 = 8 \times \square$$

Ⓐ 1
Ⓑ 7
Ⓒ 15
Ⓓ 56

2. Which has a product of 300?

Ⓐ 60×5
Ⓑ 10×3
Ⓒ 50×60
Ⓓ 30×100

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

Ⓐ 111
Ⓑ 100
Ⓒ 91
Ⓓ 90

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

Ⓐ 1,464
Ⓑ 1,471
Ⓒ 1,478
Ⓓ 1,484

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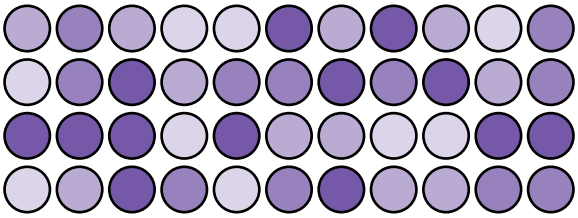
5. Gil has 44 colored chips. He sorts the chips equally into 6 bags. How many chips does he place in each bag? How many are left over?



Ⓐ 7

Ⓑ 7 R 2

Ⓒ 8

Ⓓ 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?

Ⓐ 1

Ⓑ 2

Ⓒ 3

Ⓓ 4

7. Danielle orders 95 baseball 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?

Ⓐ 16

Ⓑ 15

Ⓒ 6

Ⓓ 5

8. What is the missing number?

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

Ⓐ 11

Ⓑ 16

Ⓒ 18

Ⓓ 24

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9. Which fraction is **not** equivalent to $\frac{16}{24}$?

Ⓐ $\frac{2}{3}$

Ⓑ $\frac{4}{6}$

Ⓒ $\frac{4}{12}$

Ⓓ $\frac{8}{12}$

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

ones	.	tenths	hundredths
2	.	8	0

What is the distance written in words?

Ⓐ two hundred eighty kilometers

Ⓑ two and eight hundredths kilometers

Ⓒ twenty-eight hundredths kilometers

Ⓓ two and eighty hundredths kilometers

11. Devon bicycled 10.25 kilometers on Monday, 10.30 kilometers on Wednesday, and 10.28 kilometers on Friday. Which lists the distances in order from least to greatest?

Ⓐ 10.25, 10.30, 10.28

Ⓑ 10.30, 10.28, 10.25

Ⓒ 10.25, 10.28, 10.30

Ⓓ 10.30, 10.25, 10.28

12. Which fraction is equivalent to 0.24?

Ⓐ $\frac{1}{4}$

Ⓑ $\frac{1}{24}$

Ⓒ $\frac{4}{25}$

Ⓓ $\frac{6}{25}$

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13. Which is a measurement of an acute angle?

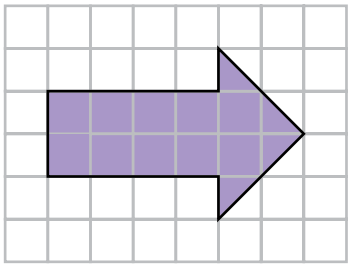
Ⓐ 180°

Ⓑ 99°

Ⓒ 90°

Ⓓ 89°

14. Gary is painting this sign for a yard sale. Each square is 1 square inch. What is the area of the sign?



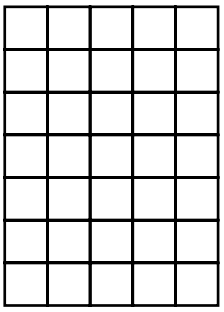
Ⓐ 10 square inches

Ⓑ 11 square inches

Ⓒ 12 square inches

Ⓓ 13 square inches

15. What is the area of the figure?



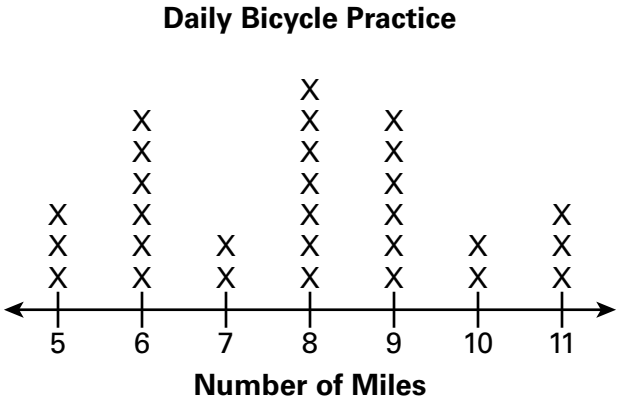
Ⓐ 35 square units

Ⓑ 28 square units

Ⓒ 24 square units

Ⓓ 12 square units

16. Stacia kept a log of the number of miles she bicycled each day. The line plot below shows the data that she collected.



How many more days did Stacia bicycle 8 miles than 10 miles?

Ⓐ 2

Ⓑ 5

Ⓒ 7

Ⓓ 9

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Solve numbers 1 through 5.

1. Which equation shows the Commutative Property of Multiplication?

Ⓐ $3 + 7 = 7 + 3$

Ⓑ $3 \times 7 = 7 \times 3$

Ⓒ $3 + (7 + 7) = (3 + 7) + 7$

Ⓓ $3 \times (7 \times 7) = (3 \times 7) \times 7$

2. 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 $9 \times 8 = 72$.

3. 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?

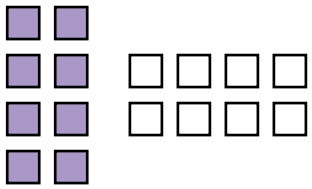
Ⓐ $(2 \times 10) + 3$

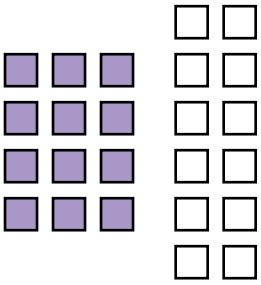
Ⓑ $(2 \times 10) \times 3$

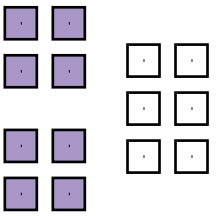
Ⓒ $2 + (10 \times 3)$

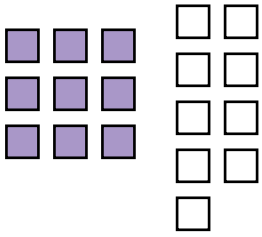
Ⓓ $2 + (10 + 3)$

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

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

5. What number is missing?

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

Ⓐ 48

Ⓑ 24

Ⓒ 6

Ⓓ 3

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Solve numbers 6 through 10.

6. Mr. Atkinson buys 5 tickets to an amusement park for his family. Each ticket cost $30. How much money does he spend altogether?

Ⓐ $15
Ⓑ $90
Ⓒ $150
Ⓓ $300

7. What number is missing?

$$600 \times \square = 1{,}800$$

Ⓐ 2
Ⓑ 3
Ⓒ 20
Ⓓ 30

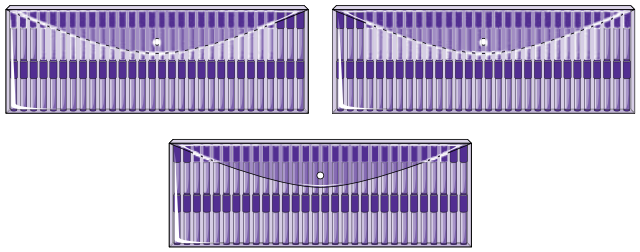
8. A pet store places 300 polished rocks in each fish tank. How many rocks in all do they need for 7 fish tanks?

Ⓐ 21
Ⓑ 210
Ⓒ 2,100
Ⓓ 21,000

9.
$$\begin{array}{r} 50 \\ \times\ 60 \\ \hline \end{array}$$

Ⓐ 110
Ⓑ 300
Ⓒ 3,000
Ⓓ 3,100

10. Mr. Adams buys 3 packages of markers for his classroom. There are 60 markers in each package.



How many markers does Mr. Adams buy in all?

Ⓐ 630
Ⓑ 180
Ⓒ 63
Ⓓ 18

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