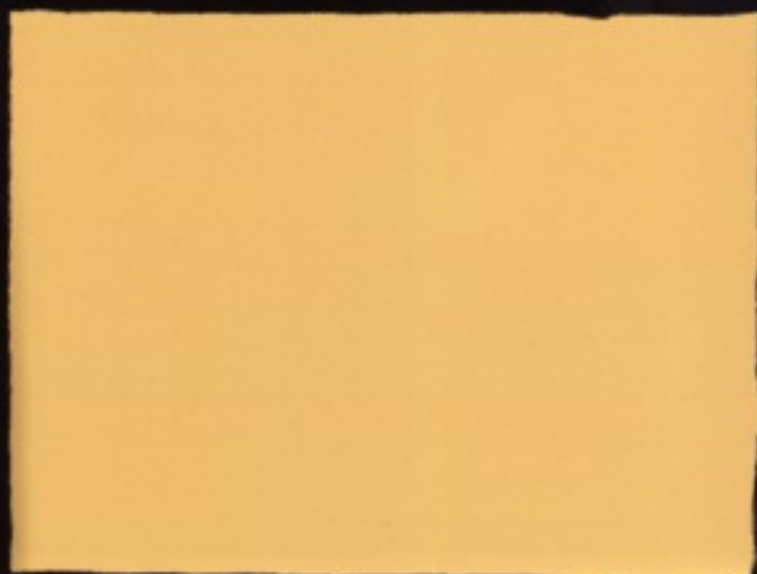


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Mathematics Problem Solving



DIRECTIONS

Read each question or problem carefully. Then answer the question or work the problem. Mark the space for your answer.

SAMPLE A

What is the value of the 5 in this number?

1,853

- ☐ A 5 ones
- ☐ B 5 tens
- ☐ C 5 hundreds
- ☐ D 5 thousands

SAMPLE B

The table shows the lengths of four U.S. bridges.

Four U.S. Bridges

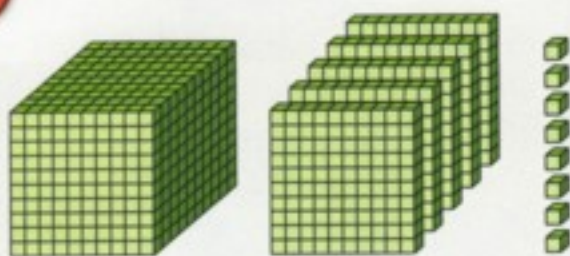
Name	Length (in meters)
Golden Gate	1,280
George Washington	1,067
Tacoma Narrows II	853
Mackinac	2,626

Which bridge is the *shortest*?

- ☐ A Golden Gate
- ☐ B George Washington
- ☐ C Tacoma Narrows II
- ☐ D Mackinac



19



What number do the place-value blocks model?

158 1,058 1,508 1,580

(A)

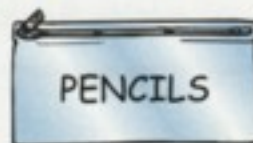
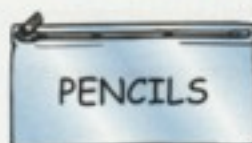
(B)

(C)

(D)

21

Jose has 16 pencils and 2 pencil bags. He puts the same number of pencils into each bag.



Which number sentence shows how to find the total number of pencils in each bag?

(A) $16 - 2 = \square$

(B) $16 \times 2 = \square$

(C) $16 \div 2 = \square$

(D) $16 + 2 = \square$

20

Kelly gives 3 treats to each dog. The picture below shows how many treats Kelly needs.



Which number sentence also represents the total number of treats Kelly needs?

(A) 3×6

(B) 4×6

(C) $1 + 3 \times 6$

(D) $6 + 3 \times 6$

Number Sense and Operations

1

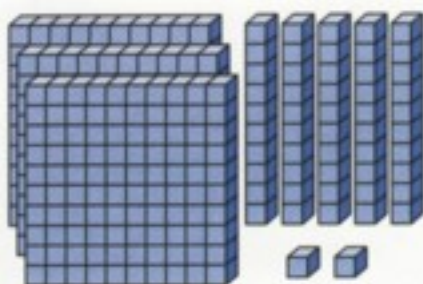
What is the value of the 8 in this number?

18,406

- (A) 8
- (B) 80
- (C) 800
- (D) 8,000

2

The model represents the number of people that went to the school play.



How is this number written?

- (A) 252
- (B) 352
- (C) 3,052
- (D) 3,502

3



What fraction of the flag is shaded?

- | | | | |
|---------------|---------------|---------------|---------------|
| $\frac{4}{3}$ | $\frac{3}{4}$ | $\frac{3}{7}$ | $\frac{4}{7}$ |
| (A) | (B) | (C) | (D) |

4

Erin put some fruit on a tray. What fraction of the fruit are apples?



- (A) five twelves
- (B) five twelfths
- (C) twelve fifths
- (D) seven twelfths

Geometry and Measurement

1

A quadrilateral is a four-sided polygon.

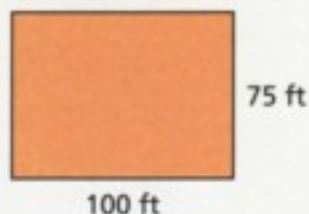


How many of the polygons shown are quadrilaterals?

- (A) 1
- (B) 2
- (C) 3
- (D) 5

3

The rectangle shows the size of a playground area in a city park.



What is the playground's perimeter?

- (A) 175 feet
- (B) 300 feet
- (C) 350 feet
- (D) 400 feet

2

Keenan drew a polygon with 5 sides. What type of polygon did he draw?

- (A) Triangle
- (B) Quadrilateral
- (C) Pentagon
- (D) Hexagon