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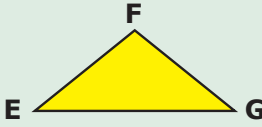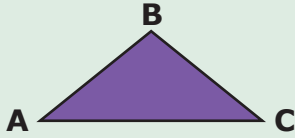
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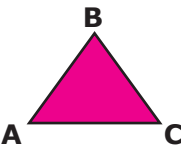| Skills	Number and Operations	Algebra	Geometry	Measurement	Data Analysis and Probability
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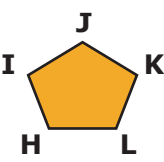
point A	A point or location is denoted (labeled) by a capital letter.
denoted → $\dot{\text{A}}$	
line segment	A line segment connects two points.
C ●——● D	
denoted → $\overline{\text{CD}}$	
polygon	A polygon is a closed figure made from line segments.
F, E, G	
denoted → triangle EFG or ΔEFG	
vertices	The points where the sides of a polygon meet are called the vertices.
B, A, C	Polygons are named by their vertices. This triangle has vertices A, B, and C.

Name the sides and vertices.

1 B, A, C

sides: ___ ___ ___

vertices: __ __ __

4 Draw a triangle with sides $\overline{\text{RS}}$, $\overline{\text{TR}}$, and $\overline{\text{ST}}$. Label all the vertices.

2 E, F, D, G

sides: ___ ___ ___ ___

vertices: __ __ __ __

3 J, I, K, H, L

sides: ___ ___ ___ ___ ___

vertices: __ __ __ __ __
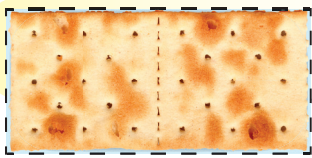
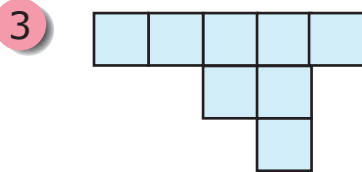**Perimeter** is the distance around a polygon.

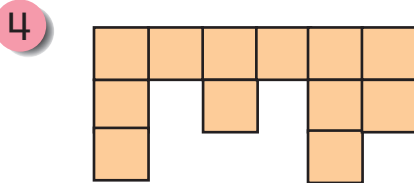1. Find the perimeter of each figure below. Each small square is 1 cm on each side.
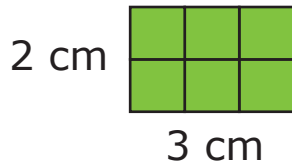
   2 cm   perimeter = 2 + 3 + 2 + 3 = 10 cm

   3 cm
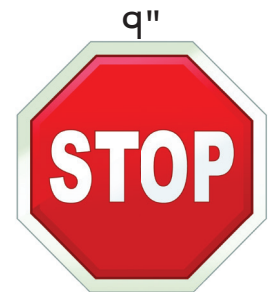
2. perimeter = _____

3. perimeter = _____

4. perimeter = _____

   9"
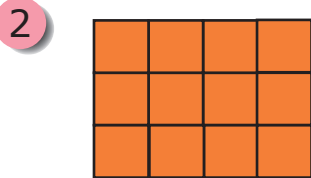
5. What is the perimeter of the stop sign if each side is 9 inches long? _____

6. Using 6 small squares measuring 1 cm on each side, make a figure with a perimeter of 14 cm. Using the six small squares, make a figure with a perimeter of 12 cm.

< is the symbol for less than
> is the symbol for greater than

To compare fractions, start with like fractions (same denominators), then compare the numerators.

$\frac{2}{5}$ < $\frac{3}{5}$

$\frac{3}{4}$ $\frac{5}{8}$

$\frac{6}{8}$ > $\frac{5}{8}$
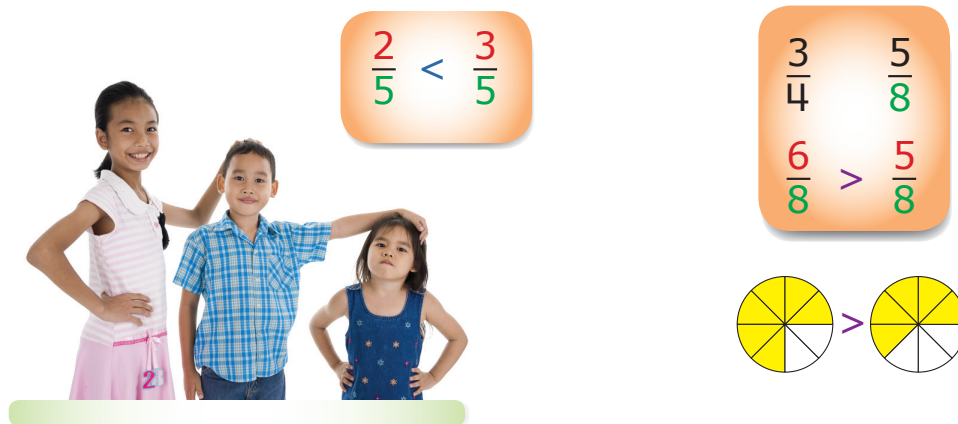
Place "<", ">", or "=" between the two amounts.

1 $\frac{7}{8}$ cup of sugar $\frac{3}{8}$ cup of sugar

2 $\frac{5}{6}$ inch $\frac{3}{4}$ inch

3 $\frac{2}{3}$ cup of milk $\frac{5}{8}$ cup of milk

4 $\frac{1}{4}$ hour $\frac{1}{3}$ hour

5 $\frac{5}{9}$ cm $\frac{5}{6}$ cm

6 $\frac{4}{11}$ probability $\frac{1}{3}$ probability

TODAY'S SPECIALS!

Bananas
$.69 each

Tomatoes
$1.25 each

Apples
$.75 each

Carrots
$.39 each

Red Peppers
$1.17 each

Broccoli
$2/bunch

Potatoes
$.50 each

Onions
$.29/bunch

1. What three items did Michael buy for $2.44?

   _____   _____   _____

2. What three items did Ava buy for $2.31?

   _____   _____   _____

3. What three items did Ethan buy for $3.94?

   _____   _____   _____

4. What four items did Emily buy for $1.93?

   _____   _____   _____   _____

5. What four items did Leon buy for $4.68?

   _____   _____   _____   _____

Operations that undo each other are called **inverse operations**.

If 3 is added to 7 and then 3 is subtracted from the answer, we return to 7.

If 30 is divided by 6 and then multiplied by 6, we return to 30.

3 + 7 = 10	Subtraction is the inverse (undoes) addition.	30 ÷ 6 = 5
	Addition is the inverse (undoes) subtraction.	
10 - 3 = 7	Multiplication is the inverse (undoes) division.	5 × 6 = 30
	Division is the inverse (undoes) multiplication.	

Use inverse operations to solve for the unknown number **N**, then circle the two false answers on the right.

1) $N + 29 = 40$ $N =$ _____

2) $N - 32 = 17$ $N =$ _____

3) $N \times 3 = 30$ $N =$ _____

4) $N \div 5 = 22$ $N =$ _____

5) $N + 201 = 742$ $N =$ _____

6) $N - 126 = 83$ $N =$ _____

7) $N \times 6 = 78$ $N =$ _____

8) $N \div 14 = 16$ $N =$ _____

9) $N - 401 = 500$ $N =$ _____

10) $N + 154 = 200$ $N =$ _____

10
541
901
209
11
13
334
224
49
46
892
110

The sum of the three angles in a triangle always adds to 180°.

78° + 63° + 39° = 180°
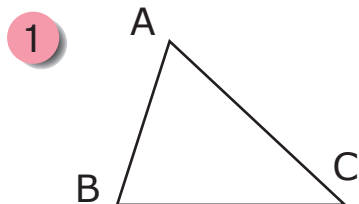
63°

78°   39°
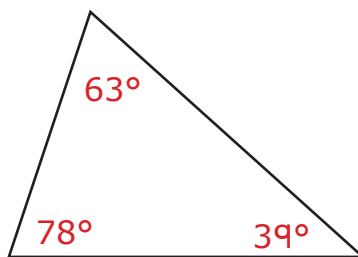
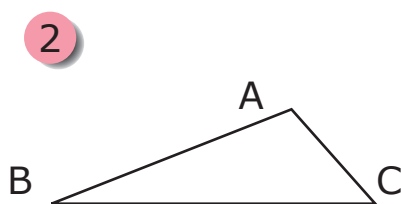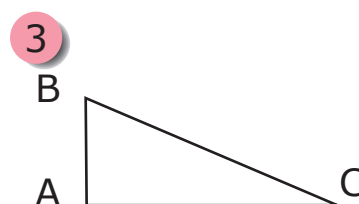| Polygon	Sum of the Angles
triangle	180°
quadrilateral	360°
pentagon	540°
hexagon	720°

adding a side adds 180° to the total

Find each missing angle using the given angles by adding the given angles and subtracting from the total for the polygon.
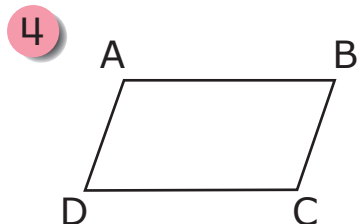
1 A
B   C

∠A = 70°
∠B = 73°
∠C = ____

2
A
B   C

∠A = ____
∠B = 28°
∠C = 46°

3
B
A   C

∠A = 90°
∠B = 60°
∠C = ____

4 A   B
D   C

∠A = 115°
∠B = ____
∠C = 115°
∠D = 65°

5 A   B
D   C

∠A = 58°
∠B = 58°
∠C = ____
∠D = 122°

6   A
E   B
D   C

∠A = ____
∠B = 76°
∠C = 118°
∠D = 118°
∠E = 76°