Fast Facts

See how many you can do in one minute!

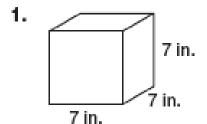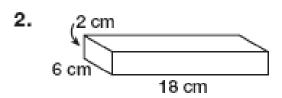|									
11 × 4	10 × 12	48 ÷ 12	8 × 3	56 ÷ 8	2 × 5	6 × 6	54 ÷ 9	7 × 8	72 ÷ 6
1 × 2	1 × 9	2 × 2	6 × 4	10 × 11	12 × 9	7 ÷ 1	7 × 10	8 × 11	5 × 6
60 ÷ 6	12 × 10	20 ÷ 4	2 × 11	56 ÷ 7	20 ÷ 4	3 × 9	18 ÷ 9	11 × 9	5 × 6
54 ÷ 9	45 ÷ 5	6 × 4	11 ÷ 11	16 ÷ 2	56 ÷ 7	12 ÷ 2	7 × 7	1 × 10	11 × 5

Va Va Volume!

For a Khan Academy lesson on finding the volume of a rectangular prism, go to:
http://www.khanacademy.org/math/geometry/basic-geometry/v/solid-geometry-volume. The
first part of the video covers triangular prisms; you can forward to about 2:29 into the video
for rectangular prisms.
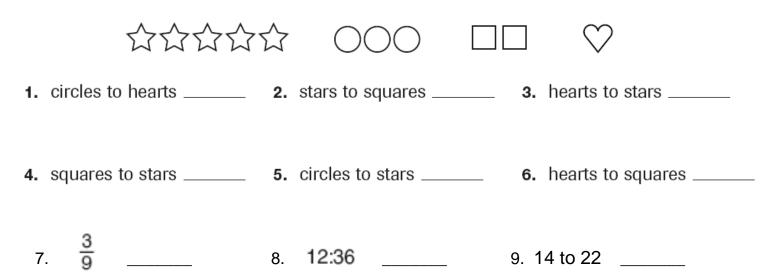
Find the volume of each rectangular prism.

1.

7 in.

7 in.

7 in.

_____

2.

2 cm

6 cm

18 cm

_____

Copy and complete the chart below.

			Measurements of Rectangular Prisms		
Length	Width	Height	Perimeter of base	Area of base	Volume
2 ft	4 ft	5 ft			
	6 ft	3 ft	26 ft		
10 ft	3 ft	5 ft			
4 ft	7 ft				56 ft³

Ratio Rave

Write each ratio three different ways.

☆☆☆☆☆   ◯◯◯   ▢▢   ♡

1. circles to hearts _____
2. stars to squares _____
3. hearts to stars _____

4. squares to stars _____
5. circles to stars _____
6. hearts to squares _____

7. $\dfrac{3}{9}$ _____
8. 12:36 _____
9. 14 to 22 _____

10. Alice asked 25 people what pets they had. She found that 14 people had cats and 11 people had dogs. What is the ratio of dogs to cats?

DIVIDING FRACTIONS

Find $4 \div \frac{2}{3}$.

Step 1: Write the whole number as a fraction.

$$4 \div \frac{2}{3} = \frac{4}{1} \div \frac{2}{3}$$

Step 2: Find the reciprocal of the divisor.

To find the reciprocal, flip the fraction upside down.

The reciprocal of $\frac{2}{3}$ is $\frac{3}{2}$.

Step 3: Rewrite as a multiplication problem using the reciprocal.

$$\frac{4}{1} \div \frac{2}{3} = \frac{4}{1} \times \frac{3}{2}$$

Step 4: Look for common factors to divide.

$$\frac{\overset{2}{\cancel{4}} \times 3}{1 \times \underset{1}{\cancel{2}}} = \frac{2 \times 3}{1 \times 1} = \frac{6}{1} = 6$$

Divide. Write each answer in simplest form.

1. $6 \div \frac{1}{3}$

2. $3 \div \frac{1}{6}$

3. $\frac{4}{5} \div 4$

_____

_____

_____