



### Algebra Alley

Triangles ABC and RST are similar triangles. Angle A =  $2(x + 15)^\circ$ , angle S =  $3x^\circ$ , and angle C =  $x^\circ$ . What are the measures of angles B, R and T? What kind of triangles are they?

(5.04)



### All About Data

The high temperatures in Raleigh for the first two weeks of July were:

10	1 1 3
9	2 3 5 6 7 7
8	6 8 8 9 9

What were the mean, the median and the range of these temperatures?



### What's The Problem?

During Bully's first week working in a china shop he breaks a vase that costs \$45.89, two glasses that cost \$16.25 each, and a platter that costs \$135.49. If he makes \$5.25 an hour, how many hours will he have to work to pay for the things he broke?



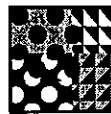
(1.02)



### Mathematically Speaking

Will the expression  $\frac{5}{x}$  always be less than 5? Explain.

(Review)



### Geometry Wrap Up

Tom has some cubes that are 2 cm on each side. How many of them will fit into a box that is a cube with each side 4 cm long?

(3.01)



# Keeping Skills Sharp

Write answers here:

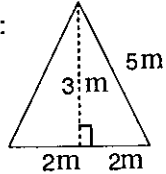
1.  $0.765 + 3.876 + 5$

1. \_\_\_\_\_

2. Write 0.5 as a common fraction in simplest form.

2. \_\_\_\_\_

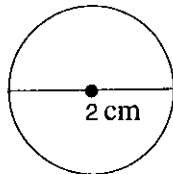
3. Find the area:



3. \_\_\_\_\_

4. \_\_\_\_\_

4. Find the area:



5. \_\_\_\_\_

6. \_\_\_\_\_

5.  $\frac{3}{7} = \frac{x}{14}$  Solve for  $x$ .

7. \_\_\_\_\_

6. Three loaves of bread cost \$3.87. How much do two loaves cost?

8. \_\_\_\_\_

7. Find 55% of 480.

9. \_\_\_\_\_

8. 6 out of 40 is equivalent to \_\_\_ out of \_\_\_.

9.  $4 + 3 \cdot 6 \div 9 - 8$

10. \_\_\_\_\_

10.  $15 + 0.5$



## Mental Math

Directions to Students:

Write your answers as the questions are called out. Each question will be repeated only once.

1

6

2

7

3

8

4

9

5

10