

LESSON

12.1

Rates

1. While at rest, a typical student in my class blinks _____ times in one minute.
2. While reading, a typical student in my class blinks _____ times in one minute.
3. In Problems 1 and 2, what is meant by the phrase *a typical student*?

4. Calculate the mean for each set of data.

- a. At rest: _____ blinks per minute
- b. While reading: _____ blinks per minute

5. List as many examples of rates as you can.

6. Find at least 2 examples of rates in your *Student Reference Book*.
(Hint: Look at pages 271 and 299.)

LESSON

12.1

Counting with Fractions and Decimals

Fill in the missing fractions on the number lines below.

1.



2.



3.



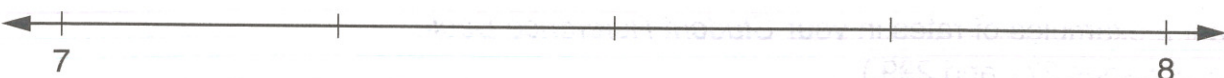
Fill in the missing decimals on the number lines below.

4.

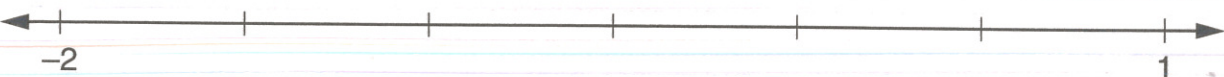


Try This

5.

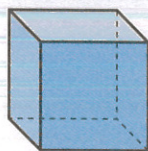


6.



LESSON
12.1
Math Boxes


1.



- a. Pick a face of the cube. How many other faces are parallel to it?

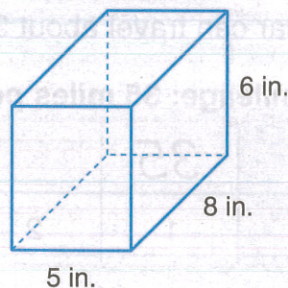
_____ face(s)

- b. Pick an edge of the cube. How many other edges are parallel to it?

_____ edge(s)



2. Calculate the volume.



Number model: _____

Volume = _____ in³



3. Write A, P, or V to tell whether you would need to find the area, perimeter, or volume in each situation.

- a. Finding the distance around a circular track _____

- b. Buying tile for a bathroom floor _____

- c. Filling a pool with water _____



4. Insert $<$, $>$, or $=$ to make a true number sentence.

a. -15 _____ 3

b. -43 _____ -21

c. 68 _____ -100

d. $-\frac{3}{4}$ _____ -0.78

e. $-13\frac{1}{2}$ _____ -13



5. For which number is 8 a factor? Fill in the circle next to the best answer.

(A) 253

(B) 94

(C) 120

(D) 884



6. Round each number to the nearest hundredth.

a. 12.368 _____

b. 234.989 _____

c. 1.225 _____

d. 12.304 _____

e. 0.550 _____



STUDY LINK
12•1

Examples of Rates



1. Look for examples of rates in newspapers, in magazines, and on labels.

Study the two examples below, and then list some of the examples you find.

If possible, bring your samples to class.

Example: *Label on a can of corn*
says "Servings Per Container 3 1/2"

Nutrition Facts	
Serving Size	110 g
Servings Per Container	3 1/2
Amount Per Serving	

Example: *Lightbulbs come in packages of 4 bulbs.*
The package doesn't say so, but there are always
4 bulbs in each package.

Example: _____

Example: _____

Example: _____

Practice

2. $\frac{4}{5} - \frac{1}{5} =$ _____

3. _____ $= \frac{7}{8} - \frac{3}{4}$

4. _____ $= \frac{1}{9} + \frac{8}{9}$

5. $\frac{1}{3} + \frac{3}{6} =$ _____

Name _____

Date _____

Time _____

LESSON
12.1**Median and Mean**

Anthony's first 4 test scores for his weekly 20-word spelling tests were 80%, 90%, 100%, and 75%.



1. What is Anthony's *median* score? _____ %
2. What score must Anthony get on his next test to maintain his median score? _____ % Explain your answer.

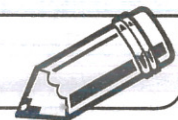
3. Anthony would like to raise his *mean* score to 90% or higher. If he takes one more spelling test, can he do it? _____ Explain your answer.



Name _____

Date _____

Time _____

LESSON
12.1**Median and Mean**

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1. What is Anthony's *median* score? _____ %
2. What score must Anthony get on his next test to maintain his median score? _____ % Explain your answer.

3. Anthony would like to raise his *mean* score to 90% or higher. If he takes one more spelling test, can he do it? _____ Explain your answer.

