

## Basic Skills Practice

### Cumulative Review

Read each question and circle the best answer.

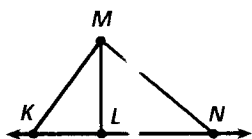
1. The vertex angle in this isosceles triangle measures  $20^\circ$ . What is the measure of each base angle?

- A  $20^\circ$
- B  $35^\circ$
- C  $60^\circ$
- D  $80^\circ$



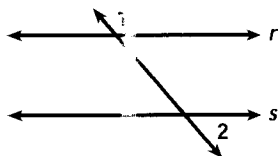
2. In this figure, what is the total number of line segments in which the endpoints are at  $K$ ,  $L$ ,  $M$ , or  $N$ ?

- F 8
- G 6
- H 5
- I 3



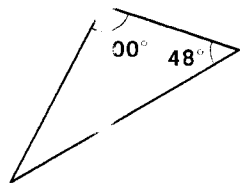
3. Lines  $r$  and  $s$  are parallel. If  $\angle 1$  measures  $115^\circ$ , what is the measure of  $\angle 2$ ?

- A  $115^\circ$
- B  $105^\circ$
- C  $85^\circ$
- D  $65^\circ$



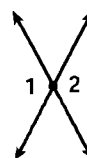
4. What is the missing angle measurement in this triangle?

- F  $22^\circ$
- G  $32^\circ$
- H  $42^\circ$
- I  $52^\circ$



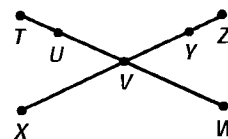
5. If  $\angle 1$  measures  $125^\circ$ , what is the measure of  $\angle 2$ ?

- A  $55^\circ$
- B  $65^\circ$
- C  $125^\circ$
- D  $135^\circ$



6. Points  $T$ ,  $U$ ,  $V$ , and  $W$  are on the same line segment. Points  $X$ ,  $Y$ , and  $Z$  are on the same line segment. Which statement is true?

- F  $TU + UV = TU$
- G  $TU - UV = TU$
- H  $XV + YZ = XZ$
- I  $ZX - YV = ZY$



7. A daily allowance of 60 milligrams of vitamin C is recommended for 18-year-olds. If 15 grapes have about 2 milligrams of vitamin C, which proportion could be used to find  $G$ , the number of grapes needed to provide 60 milligrams?

- A  $\frac{G}{15} = \frac{2}{60}$
- B  $\frac{18}{60} = \frac{15}{G}$
- C  $\frac{G}{2} = \frac{15}{60}$
- D  $\frac{15}{2} = \frac{G}{60}$

Solve each problem.

8. Frank bought a pair of basketball shoes for \$44.99. The original price was \$59.95. How much money did he save? \_\_\_\_\_

9. What is the missing number in this pattern: 1, 4, \_\_\_\_\_, 16, 25, 36? \_\_\_\_\_