

UNIT TEST **Lessons 15–22**



Solve for the unknown.

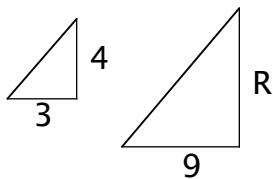
1. $\frac{1}{3} = \frac{25}{Y}$

2. $\frac{14}{32} = \frac{A}{16}$

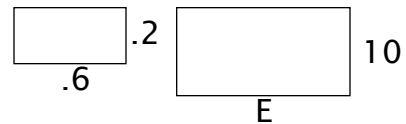
3. $\frac{7}{G} = \frac{7}{8}$

Write a proportion for each set of similar polygons and solve for the unknown side.

4.



5.



Find the LCM for each pair of numbers.

6. 4 and 5

7. 15 and 20

8. 12 and 32

Find the GCF for each pair of numbers.

9. 11 and 22

10. 16 and 18

11. 10 and 25

Add or subtract.

$$\begin{array}{r} 17. \quad 8.5 \\ + 2.0 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 5.28 \\ - 3.04 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 4. \\ + 2.69 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 6.0 \\ - 1.7 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 21. \quad 5.9 \\ \times .4 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad .006 \\ \times .36 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 7.8 \\ \times 3.1 \\ \hline \end{array}$$

Divide.

24. $7 \overline{) 2.8}$

25. $.05 \overline{) 75}$

26. $.03 \overline{) .06}$

Write each fraction as a decimal and as a percent. Divide decimals to the hundredths place and write any remainders as fractions.

27. $\frac{4}{5} =$ =

28. $\frac{1}{3} =$ =

29. $\frac{16}{100} =$ =

30. Kate plans to save 5% of her income. If she just earned \$80, how much should she save?