

## Renaming Decimals as Percents

*Method:* Move the decimal point two places to the right and write a percent symbol.

**EXAMPLE** Rename 0.45 as a percent.

$$0.45 = 45\%$$

**EXAMPLE** Rename 1.2 as a percent.

$$1.2 = 120\%$$

↑  
Write a zero to  
make two places.

**EXAMPLE** Rename 3 as a percent.

$$3 = 300\%$$

**Directions** Rename these decimals as percents.

1.  $0.24 =$

13.  $56.2 =$

25.  $3.7 =$

37.  $0.003 =$

2.  $0.05 =$

14.  $0.9 =$

26.  $0.4 =$

38.  $0.106 =$

3.  $0.234 =$

15.  $5.5 =$

27.  $6.01 =$

39.  $1.29 =$

4.  $0.016 =$

16.  $3.44 =$

28.  $0.318 =$

40.  $2 =$

5.  $1.29 =$

17.  $0.1 =$

29.  $4.051 =$

41.  $0.0452 =$

6.  $2.33 =$

18.  $0.91 =$

30.  $1.8 =$

42.  $0.444 =$

7.  $0.002 =$

19.  $31.6 =$

31.  $74.9 =$

43.  $4.881 =$

8.  $14.5 =$

20.  $0.0035 =$

32.  $82 =$

44.  $0.0201 =$

9.  $28.1 =$

21.  $0.001 =$

33.  $8.0 =$

45.  $0.0001 =$

10.  $5.2 =$

22.  $4 =$

34.  $6.05 =$

46.  $3.3 =$

11.  $0.06 =$

23.  $71 =$

35.  $0.6 =$

47.  $56 =$

12.  $4.05 =$

24.  $8.9 =$

36.  $0.11 =$

48.  $1.011 =$



## Solving for the Percentage

rate      base      percentage  
↓          ↓          ↓

**EXAMPLE**

23% of 35 is what number?

$$0.23 \times 35 = N$$

$$8.05 = N$$

**Step 1:** Write the rate as a decimal.**Step 2:** Multiply the rate times the base.**EXAMPLE**

2% of 5.8 is what number?

$$0.02 \times 5.8 = N$$

$$0.116 = N$$

**Directions** Solve for the percentage.

1. 4% of 37 is what number? \_\_\_\_\_
2. 34% of 5.7 is what number? \_\_\_\_\_
3. 5% of 6 is what number? \_\_\_\_\_
4. 7.4% of 200 is what number? \_\_\_\_\_
5. 25% of 0.57 is what number? \_\_\_\_\_
6. 5.6% of 283 is what number? \_\_\_\_\_
7. 55% of 104 is what number? \_\_\_\_\_
8. 48% of 2003 is what number? \_\_\_\_\_
9. 90% of 203 is what number? \_\_\_\_\_
10. 0.38% of 74 is what number? \_\_\_\_\_
11. 50% of 300 is what number? \_\_\_\_\_
12. 6.01% of 0.01 is what number? \_\_\_\_\_
13. 110% of 90 is what number? \_\_\_\_\_
14. 85% of 3000 is what number? \_\_\_\_\_
15. 40% of 0.92 is what number? \_\_\_\_\_
16. 57.5% of 70.5 is what number? \_\_\_\_\_
17. 75% of 10 is what number? \_\_\_\_\_
18. 60% of 9 is what number? \_\_\_\_\_
19. 7.2% of 44 is what number? \_\_\_\_\_
20. 5% of 6.9 is what number? \_\_\_\_\_
21. 41% of 54.18 is what number? \_\_\_\_\_
22. 36% of 0.102 is what number? \_\_\_\_\_
23. 70% of 384 is what number? \_\_\_\_\_
24. 6.3% of 7.02 is what number? \_\_\_\_\_
25. 0.9% of 7 is what number? \_\_\_\_\_
26. 38% of 4.7 is what number? \_\_\_\_\_
27. 0.5% of 100 is what number? \_\_\_\_\_
28. 8% of 16 is what number? \_\_\_\_\_

