

Finding the Percent One Number Is of Another

EXAMPLE What percent of 35 is 7?

Step 1 Write a fraction with the number following "of" as a denominator.

$$\frac{7}{35}$$

Step 2 Simplify the fraction. $\frac{7}{35} = \frac{1}{5}$

Step 3 Rename the fraction as a percent. $\frac{1}{5} = 5 \overline{)1.00} = 20\%$

Answer: 7 is 20% of 35.

EXAMPLE 10 is what percent of 80?

$$\frac{10}{80}$$

$$\frac{10}{80} = \frac{1}{8}$$

$$\frac{1}{8} = 8 \overline{)1.00} = 12.5\%$$

10 is 12.5% of 80.

Directions Find the percents.

1. What percent of 100 is 5? _____
2. 10 is what percent of 25? _____
3. What percent of 60 is 15? _____
4. 6 is what percent of 18? _____
5. 6 is what percent of 30? _____
6. 12 is what percent of 16? _____
7. 18 is what percent of 36? _____
8. 163 is what percent of 326? _____
9. 25 is what percent of 50? _____
10. What percent of 12 is 9? _____
11. 16 is what percent of 64? _____
12. What percent of 100 is 57? _____
13. 12 is what percent of 96? _____
14. What percent of 1,000 is 50? _____
15. What percent of 300 is 60? _____
16. 16 is what percent of 100? _____
17. What percent of 80 is 48? _____
18. 1 is what percent of 7? _____
19. What percent of 16 is 16? _____
20. 10 is what percent of 90? _____



Review of Basic Operations with Decimals

1. $5.6 + 8 + 0.273 =$ _____
2. $63.75 \div 7.5 =$ _____
3. $7.8 - 0.264 =$ _____
4. $6 + 7.8 + 5.54 =$ _____
5. $7.8 \times 0.64 =$ _____
6. $7.3 - 1.72 =$ _____
7. $35.855 \div 7.1 =$ _____
8. $16 + 1.7 + 0.989 =$ _____
9. $10 - 0.9032 =$ _____
10. $4.088 \div 0.28 =$ _____
11. $0.0837 \times 0.46 =$ _____
12. $58 + 2.53 + 6 + 0.94 =$ _____
13. $1,006 \times 2.6 =$ _____
14. $0.1435 \div 0.07 =$ _____
15. $1.15 - 0.59 =$ _____
16. $9 - 0.99 =$ _____
17. $8.7 \times 0.69 =$ _____
18. $3.672 \div 1.2 =$ _____
19. $2.4 + 87 + 0.52 =$ _____
20. $9.66 \times 0.008 =$ _____
21. $6.04 - 5.7 =$ _____
22. $3 - 2.701 =$ _____
23. $143 \div 33 =$ _____
24. $101.1 + 11.11 + 1.1 =$ _____
25. $9.2 \times 0.076 =$ _____
26. $92 - 0.57 =$ _____
27. $33.3 - 6.912 =$ _____
28. $0.6211 - 0.61 =$ _____
29. $40.6 \div 5.6 =$ _____
30. $9 + 2.8 + 6 + 15.99 =$ _____
31. $701.11 - 42.661 =$ _____
32. $39.06 + 9 + 8.76 + 8 =$ _____
33. $143 \div 11 =$ _____
34. $68.7 \times 1.5 =$ _____
35. $0.027 \times 0.009 =$ _____
36. $3.1 - 2.009 =$ _____
37. $0.509 \times 0.707 =$ _____
38. $0.00528 \div 0.008 =$ _____
39. $37 + 8.6 + 0.009 =$ _____
40. $0.09871 - 0.00996 =$ _____
41. $0.039 - 0.02005 =$ _____
42. $73.87 + 6.5 + 5 + 0.196 =$ _____
43. $1,020.6 \div 27 =$ _____
44. $1 - 0.9016 =$ _____
45. $0.0909 \times 7.8 =$ _____
46. $101.01 - 100.192 =$ _____
47. $479.030 + 0.008 + 0.9 =$ _____
48. $1.0201 \times 5.1 =$ _____

