

Percents and Ratios

Name _____

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Solve each problem.

1) 57.5 is what percent of 143.4?

2) 67 is what percent of 123?

3) 15 is what percent of 23?

4) 32 is what percent of 96?

5) 12 is what percent of 8?

6) 82.8 is what percent of 29?

7) What is 65% of 81?

8) What is 75% of 117?

9) What is 340% of 28.6?

10) What is 11% of 25?

11) What is 79% of 117?

12) What is 300% of 52?

Harder.

13) 23 is 36% of what?

14) 34% of what is 54?

15) 145 is 140% of what?

16) 87% of what is 158?

17) 93 is 94% of what?

18) 135 is 1% of what?

Solve each proportion.

$$19) \frac{x}{4} = \frac{8}{2}$$

$$20) \frac{5}{4} = \frac{m}{3}$$

$$21) \frac{4}{b} = \frac{9}{2}$$

$$22) \frac{7}{10} = \frac{x}{3}$$

$$23) \frac{10}{6} = \frac{6b}{3}$$

$$24) \frac{5}{7} = \frac{3}{8m}$$

$$25) \frac{10}{6} = \frac{n+6}{7}$$

$$26) \frac{3}{b-9} = \frac{6}{10}$$

$$27) \frac{8}{4b-8} = \frac{12}{30}$$

$$28) \frac{14}{42} = \frac{\frac{b}{5} + 7}{36}$$

Answers to Percents and Ratios

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|------------|-----------|-------------|--------------|
| 1) 40.1% | 2) 54.5% | 3) 65.2% | 4) 33.3% |
| 5) 150% | 6) 285.5% | 7) 52.7 | 8) 87.8 |
| 9) 97.2 | 10) 2.8 | 11) 92.4 | 12) 156 |
| 13) 63.9 | 14) 158.8 | 15) 103.6 | 16) 181.6 |
| 17) 98.9 | 18) 13500 | 19) {16} | 20) {3.75} |
| 21) {0.88} | 22) {2.1} | 23) {0.83} | 24) {0.52} |
| 25) {5.66} | 26) {14} | 27) $b = 7$ | 28) $b = 25$ |