Percents, fractions & decimals

Name _____ Date _____

Write each percent as a fraction or a decimal.

Common Core 6.RP.A.3c

Example Write 45% as a fraction.

1. Percent means "out of 100": $45\% = \frac{45}{100}$.
2. Simplify: divide the top and bottom by 5, so $\frac{45}{100} = \frac{9}{20}$.

Answer: $\frac{9}{20}$

1. 29% as a fraction = ☐
2. 31% as a fraction = ☐
3. 9% as a fraction = ☐
4. 6% as a decimal = ☐
5. 7% as a decimal = ☐
6. 69% as a decimal = ☐

Write each number as a percent.

Example Write $\frac{3}{4}$ as a percent.

1. Make the bottom 100: multiply the top and bottom by 25, $\frac{3}{4} = \frac{75}{100}$.
2. 75 out of 100 is 75%. (For a decimal, multiply by 100: 0.6 = 60%.)

Answer: 75%

7. $\frac{22}{25}$ = ☐ %
8. 0.57 = ☐ %
9. 0.2 = ☐ %
10. 0.02 = ☐ %
11. 0.1 = ☐ %
12. 0.9 = ☐ %

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Percent of a number

Name _____ Date _____

Find the percent of each number.

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Example 30% of 90 = ?
1. Find 10% first: 90 ÷ 10 = 9.
2. 30% is 3 lots of 10%: 3 × 9 = 27.

Answer: 27

1. 70% of 380 = ☐
2. 60% of 500 = ☐
3. 40% of 380 = ☐
4. 45% of 800 = ☐
5. 12% of 200 = ☐
6. 4% of 850 = ☐

Find the whole number.

Example 25% of ? = 13
1. 25% is one quarter of the whole.
2. So the whole is 4 lots of 13: 4 × 13 = 52.

Answer: 52

7. 25% of ☐ = 23
8. 50% of ☐ = 48
9. 25% of ☐ = 34
10. 40% of ☐ = 68
11. 8% of ☐ = 74
12. 70% of ☐ = 217

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Answers

Answers are in the same order as the boxes.

Page 1 · Percents, fractions & decimals

1. 29/100
2. 31/100
3. 9/100
4. 0.06
5. 0.07
6. 0.69
7. 88
8. 57
9. 20
10. 2
11. 10
12. 90

Page 2 · Percent of a number

1. 266
2. 300
3. 152
4. 360
5. 24
6. 34
7. 92
8. 96
9. 136
10. 170
11. 925
12. 310

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