Translate among Fractions, Decimals, and Percents

Long-Term Memory Review – Grade 8
Review 1

1. What is a method to convert a fraction to a decimal?

2. Fractions are read from _____ to _____.

3. "Percent" means per _____.

4. In order to find 10% of any number, move the decimal _____ place(s) to the right or left?

   What is 10% of 19.3?

5. Write -0.65 as a fraction.

   A. $-\dfrac{2}{13}$ B. $-\dfrac{13}{20}$ C. $-\dfrac{20}{13}$ D. $-\dfrac{13}{2}$

6. Write 11% as a fraction.

   A. $\dfrac{11}{100}$ B. $\dfrac{10}{11}$ C. $\dfrac{11}{10}$ D. $\dfrac{100}{11}$

7. Write 34% as a decimal.

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Review 2

1.   The fraction bar in a fraction represents what operation?

2.   In a fraction, the _____ is the dividend and the _____is the divisor.

3.   Place the numbers in the given fraction in the appropriate underlined spaces.

$$\frac{13}{18} \qquad \underline{\ ?\ } \overline{)\ \underline{\ ?\ }\ }$$

4.   Write $\dfrac{3}{4}$ as a decimal.

5.   Write 34% as a fraction.

6.   Write 0.17 as a percent.

1. What is the first step in converting a fraction to a percent?

2. What is the second step in converting a fraction to a percent?

3. Which percent is equivalent to 0.237?

   A. 0.237%   B. 2.37%   C. 23.7%   D. 237%

4. Which percent is equivalent to $\frac{4}{5}$?

   A. 4%   B. 8%   C. 40%   D. 80%

5. Write $\frac{3}{5}$ as a percent.

6. Write 2.18 as a percent.

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Long-Term Memory Review – Grade 8
Review 4

1. What is the first step in converting a percent to a fraction?

2. What is the second step in converting a percent to a fraction?

3. Which is not equivalent to 20%?

    A. 0.2   B. 1:5   C. $\dfrac{10}{50}$ D. $\dfrac{4}{16}$

4. The table below shows the ages of people attending a movie on Saturday afternoon.

Age Group (in years)	Number of People
0-11	1
12-19	14
20-35	21
36-50	12
51 and older	2

    What percent of people attending the movie were in the $20-35$ year old group?

    A. 21%   B. 42%   C. 72%   D. 79%

5. Write $\dfrac{5}{8}$ as a decimal.

6. Write 0.125 as a fraction.

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Long-Term Memory Review – Grade 8
   Quiz

1.   Percent means per _____.

2.   What is a method to convert a percent to a decimal?

3.   What is a method to convert a decimal to a percent?

4.   Write 0.456 as a percent.

5.   Write 0.92 as a fraction.

6.   Write $\dfrac{3}{8}$ as a decimal.

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Answers

Review 1 Answers

1. Divide the numerator by the denominator.
2. Fractions are read from <u>top</u> to <u>bottom</u>.
3. hundred
4. 1; left; 1.93
5. B. $-\dfrac{13}{20}$
6. A. $\dfrac{11}{100}$
7. 0.34

Review 2 Answers

1. division
2. numerator; denominator
3. $18\overline{)13}$
4. 0.75
5. $\dfrac{34}{100} = \dfrac{17}{50}$
6. 17%

Review 3 Answers

1. Divide the numerator by the denominator.
2. Multiply by 100 (or move decimal 2 places to the right)
3. C. 23.7%
4. D. 80%
5. 60%
6. 218%

Review 4 Answers

1. Multiply by $\dfrac{1}{100}$ (or divide by 100)
2. Reduce the fraction.
3. D. $\dfrac{4}{16}$
4. B. 42%
5. 0.625
6. $\dfrac{1}{8}$

Quiz - Answers

1. hundred
2. Move the decimal point 2 places to the left.
3. Move the decimal point 2 places to the right and add a percent sign.
4. 45.6%
5. $\dfrac{92}{100} = \dfrac{23}{25}$
6. 0.375