

Equivalent Fractions, Decimals, and Percents Independent Practice—Answer Key

Directions: Answer all questions to the best of your ability. Justify your responses.

1. What decimal and percent are equivalent to $\frac{37}{50}$?

0.74 and 74%

2. What fraction and decimal are equivalent to 24%?

 $\frac{6}{25}$ and 0.24

3. What fraction and percent are equivalent to 1.05?

 $\frac{21}{20}$ and 105%

4. In a middle school choir, 16 of the 40 students sing alto. What percent of the choir sings alto?

40%

5. A salesperson earns 8% commission. What fraction is equivalent to the salesperson's commission percentage?

2 25 6. Mason paid an 18% tip. What decimal is equivalent to this percent?

0.18

7. Jamila found \$0.45 in change under her couch. What fraction of a dollar did Jamila find?

<u>9</u> 20

8. A feline medication comes in dose of 0.2 mL per pound the cat weighs. What percentage of a cat's weight is used to calculate the amount of medication in mL a cat receives?

20%

9. Kiley is scheduled to participate in a day camp for 12 of the 30 days in June. What decimal represents the fraction of days that Kiley participates in day camp in June?

0.3

- **10.** Ethan earned 340 of the 400 possible points in a trivia game. What fraction, decimal, and percent represent the portion of the possible points that Ethan earned during the trivia game?
- 17, 0.85, and 85%

