Name __KEY__   Date __2018__

Write the percent as a fraction or mixed number in simplest form.

1. 12.5%

2. 180%

Write the fraction or mixed number as a percent.

3. $\dfrac{5}{8}$

4. $2\dfrac{1}{5}$

Find the percent of the number. Use a double number line for one problem and a rate table for the other problem.

5. 20% of 90

6. 140% of 15

Find the whole. Use a double number line for one problem and a rate table for the other problem.

7. 4% of what number is 2?

8. 125% of what number is 30?

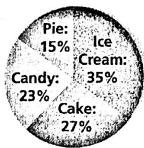**Use the conversion factor to find the missing measurement. (Round to the nearest hundredth, if necessary.)**

9. 13 L ≈ _____ qt

10. 10 lb ≈ _____ kg

11. 26 in. = _____ cm

12. 52 g ≈ _____ oz

13. A field goal kicker makes 4 of 5 extra points during a game. What percent of extra points were made?

14. A worker at a clothing store earns a 15% commission on a sale of $75.00. How much is the commission?

15. The results of a survey are shown. In the survey, 28 students said their favorite dessert is ice cream.

   a. How many students were surveyed?

   b. How many students said their favorite dessert is pie?

Favorite Dessert

Pie: 15%
Ice Cream: 35%
Candy: 23%
Cake: 27%

16. An American car travels 32 miles on one gallon of gas. A European car travels 12.7 kilometers on one liter of gas. Which car gets better gas mileage? Explain your reasoning.

Answers

1. $\dfrac{1}{8}$

2. $1\dfrac{4}{5}$

3. 62.5%

4. 220%

5. 18

6. 21

7. See left. 50

8. See left. 24

9. See left. 13.68/13.78

10. See left. 4.5

11. See left. 66.04

12. See left. 1.85

13. 80%

14. $11.25

15. a. 80 students

   b. 12 students

16. See left.
American Car