1.10 Review Worksheet

In this worksheet, you practice word problems that involve fractions, decimals, and percentages.

1 Kathryn is driving from Boston to Chicago, a 982 mile trip. When she started her trip, her odometer was at 20,468.5, and her odometer is now at 21,239.2. Rounded to the nearest whole percentage, how much of her trip has she completed?

(a) 65%
(b) 73%
(c) 78%
(d) 81%

2 Paradise State University wants to have 3 computers on campus for every 5 students. If they have 2000 students, how many computers do they need?

(a) 400
(b) 800
(c) 1200
(d) 1600

3 Katie was practicing her free throws, and she made 172 out of the 195 she attempted. What percentage, rounded to the nearest whole, of free throws did she make?

(a) 85%
(b) 88%
(c) 92%
(d) 95%

4 Sam wants to bake cookies for his class. He wants to make enough to feed 20 people, and he guesses that each person will eat 3 cookies. Each batch of cookies uses 3/4 cups of sugar and makes 24 cookies. What is the minimum amount of sugar he will need?

(a) 1 and 3/4 cup
(b) 1 and 7/8 cup
(c) 2 and 1/3 cup
(d) 2 and 5/6 cup

5 Suhail bought 5 packs of sticky notes. He figures out he uses a quarter of one pack in three weeks. How many weeks will it take for him to use all of his sticky notes?

(a) 50
(b) 52
(c) 58
(d) 60

6 Which of the following numbers has the largest digit in its hundredth's place?

(a) 9.670
(b) 3.827
(c) 10.4491
(d) 2.903

7 If Deborah uses the computer for 2.46 hours per day, Jeremiah uses it for 1.70 hours per day, and Marcus uses it for .413 hours per day, how many total hours does the family spend on the computer each day?

(a) .829
(b) 2.393
(c) 4.573
(d) 8.29

8 For the first ten years of it's life, a Carlian Elm tree grows 6.25 feet per year. If Jonathan planted a Carlian Elm tree exactly 2.7 years ago, how tall will the tree be today?

(a) 0.895 feet
(b) 8.95 feet
(c) 168.75 feet
(d) 16.875 feet

9 Compute the sum $5.34 + 12.079$. Convert your answer to a mixed number.

(a) 6 and $\frac{739}{1000}$
(b) 12 and $\frac{613}{1000}$
(c) 6 and $\frac{5479}{10000}$
(d) 17 and $\frac{419}{1000}$

10 Compute the quotient $\frac{12}{50} \div \frac{2}{7}$. Convert your answer to a decimal.

(a) 0.069
(b) 0.21
(c) 0.74
(d) 0.84