

CH 2 STEAM REVIEW

Numeric Response

Enter the appropriate value to answer the question or solve the problem.

1. On one day in an ice cream store, 48% of the cones they sell are chocolate. What is 48% written as a decimal?

Write each percent as a fraction in simplest form.

2. $62\frac{1}{2}\%$

Find the percent of each number.

3. 78% of 160

4. 12% of 325

Write each fraction or mixed number as a decimal.

5. $\frac{7}{25}$

6. $8\frac{9}{10}$

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7. Autry made 45% of the shots he took during the basketball game. If he attempted 20 shots, how many times did he score?

8. After an ad campaign, a juice drink's popularity had a 125% increase. Write 125% as a mixed number in simplest form.

Subjective Short Answer

9. Jay has \$8. He wants to buy a book for \$7.50. The sales tax is 6%. Does he have enough money? Explain your reasoning.

10. The original price of a bicycle is \$129. The sale price is 80% of the original price. What is the sale price of the bicycle?

Write each fraction as a percent.

11. $\frac{5}{20}$

Write each percent as a decimal and as a mixed number or fraction in simplest form.

12. 345%

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13. 0.06%

14. Dominic has \$15 for dinner. His meal costs \$13.90. He wants to leave an 18% tip. Does he have enough money? Explain your reasoning.

Write each decimal as a fraction or mixed number in simplest form.

15. 0.325

16. 0.02

17. The table shows the wins of three local baseball teams. They all played the same number of games. List the teams in order of the fraction of games won from least to greatest.

Team	Wins
Bears	86%
Tigers	$\frac{7}{8}$
Mustangs	0.84

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Answer Key

1. 0.48

2.

$$\frac{5}{8}$$

3. 124.8

4. 39

5. 0.28

6. 8.9

7. 9

8.

$$1 \frac{1}{4}$$

9. yes; His total cost is \$7.95.

10. \$103.20

11. 25%

12. 3.45; $3 \frac{9}{20}$

13. 0.0006; $\frac{3}{5,000}$

14. no; His total cost is \$16.40.

15. 32.5%

16. 2%

17. Mustangs, Bears, Tigers