

UNIT 2 REVIEW - WORKSHEET #1

1. Sophia downloaded 592 vacation pictures. Of the pictures, 63% show the beach. About how many pictures show the beach? Use a rate per 100 to estimate. 1. _____

2. Twenty-one students in Michael's classroom are wearing jeans. There are 25 students in his class. Michael says that 80% of his class is wearing jeans. Is Michael correct? Explain your reasoning. 2. _____

3. During a winter storm, the price of road salt had a 230% increase. Write 230% as a mixed number in simplest form. 3. _____

4. In a sandwich shop, 22% of the sandwiches they sell are ham. What is 22% written as a decimal? 4. _____

5. Jana has \$5. She wants to buy a notebook for \$4.50. The sales tax is 7%. Does she have enough money? Explain your reasoning. 5. _____

6. The original price of a sweater is \$36. The sale price is 85% of the original price. What is the sale price of the sweater? 6. _____

Write each percent as a fraction in simplest form.

- | | | |
|---------|----------------------|----------|
| 7. 5.5% | 8. $87\frac{1}{2}\%$ | 7. _____ |
| | | 8. _____ |

Write each fraction as a percent.

- | | | |
|--------------------|--------------------|-----------|
| 9. $\frac{14}{40}$ | 10. $\frac{7}{10}$ | 9. _____ |
| | | 10. _____ |

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

- | | | |
|----------|-----------|-----------|
| 11. 220% | 12. 0.08% | 11. _____ |
| | | 12. _____ |

Find the percent of each number.

- | | | |
|----------------|---------------|-----------|
| 13. 34% of 354 | 14. 92% of 85 | 13. _____ |
| | | 14. _____ |

What is the best estimate of each percent?

- | | | |
|----------------|---------------|-----------|
| 15. 20% of 516 | 16. 24% of 80 | 15. _____ |
| | | 16. _____ |

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For Exercises 17–19, refer to the table.

17. Do more kids say they want to see into the future or become invisible?

18. Among those surveyed, which superpower is chosen most often?

19. Which superpower is chosen least often?

Superpower	Fraction of Kids
become invisible	$\frac{9}{50}$
fly	$\frac{21}{100}$
read minds	$\frac{7}{25}$
see at night	$\frac{1}{25}$
see into the future	$\frac{1}{5}$

17. _____

18. _____

19. _____

20. Eva has \$10 for lunch. Her meal costs \$8.60. She wants to leave a 20% tip. Does she have enough money? Explain your reasoning.

20. _____

Write each decimal as a percent.

21. 0.275

22. 0.08

21. _____

22. _____

For Exercises 23–25, write each fraction or mixed number as a decimal.

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

24. $\frac{6}{30}$

25. $8\frac{3}{8}$

23. _____

24. _____

25. _____

26. Elbert made 48% of the shots he took during the basketball game. If he attempted 25 shots, how many times did he score?

26. _____

27. The original price of a DVD is \$12. The sale price is 70% of the original price. Find the sale price of the DVD.

27. _____

28. 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	57%
Tigers	$\frac{5}{8}$
Mustangs	0.65

28. _____