Your Review of Percents, Fractions, and Decimals

1. Felicia has 325 postcards in her collection. Sixty percent of the cards are from Japan. How many postcards are from Japan? How many postcards are from places other than Japan?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Bill has 40 postcards from Mexico. He bought 20 percent of the cards at collector’s shows and 65 % at on-line auctions. The rest were gifts from friends. How many postcards were gifts?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What is 115% of 200?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. 28% of 200?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.Write this as a percent and as a decimal. 1/10=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1/10=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.Write this as a percent and as a decimal. 23/100=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_23/100=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. What is 2 3/5 written as a percentage?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. What is 4 6/10 written as a percentage?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Give me an equivalent decimal for 0.024%\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Give me an equivalent decimal for 2.6%\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. Flagpoles in a mall parking lot cast shadows that are 8 feet long. A trash can by the flagpole is 4 feet tall and casts a shadow that is 1 1/3 feet long. How tall are the flagpoles?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.1 ½ is what percent of 3 ¾ ?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. Several mall walkers walk 2 laps around the mall on Monday, 4 laps on Wednesday, and 6 laps on Friday. If the laps on these days total 6 miles in all, how much is 1 lap around the mall?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. Franklin saved $9.00 by using a coupon to buy a cyber-cat. What percent of the cost did Franklin save if the cyber cat costs $45.00?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. Write as a fraction in simplest form and as a percent 0.05=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_0.05=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Write as a fraction in simplest form and as a percent 0.4=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_0.4=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. Change five tenths to a decimal=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_percent=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_fraction=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. 75 robots were entered in a science fair. Forty-five received an honorable mention, fifteen got a ribbon, and the rest won a prize. What percent of the robots won a prize?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. What is 110% of 86?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20.Write ½ as a percent.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. Me and my family went to a restaurant to eat. The bill was $59.99. We wanted to leave no less than a 17% tip. How much money including the tip, did we spend?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. Jane got 2 hits in 8 times at bat. In what percent of her times did Jane get a hit?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

23. What is 3.5% of 160?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24. 0.9 x n =900. What does n equal? n=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. Estimate a 15% tip and a 20% tip on a bill of $32.14. 15%estimate=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20%estimate=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_