Practice Sheet #1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve. Show your work.

|  |  |
| --- | --- |
| 1. | 6. |
| 2. | 7. Order from least to greatest.  ,,,, |
| 3. | 8. |
| 4. Change the fraction to a decimal. | 9. |
| 5. | 10. |

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| 11. | 14. Convert into a decimal. |
| 12. | 15. Convert .265 to a fraction. Simplify to lowest terms. |
| 13. Solve for y. | 16. |

17. Mrs. Smith’s class has 15 girls and 12 boys. The entire school has 300 girls and the same proportion of girls to boys as Mrs. Smith’s class. Write a proportion and solve to show how many boys are in the entire school.

18. A baker made 6 pies for every 8 cakes. If she made 15 pies, write and solve a proportion to find the number of cakes she made.

19. Mr. Purcell bought a sporting goods store. He noticed that for every 12 jerseys he sold, he sold 2 canoes. At the end of March, Mr. Purcell found that he had sold 144 jerseys. Write a proportion and solve to show how many canoes he sold.

20. An 8-ounce can of soup costs $1.04. What is the price for each ounce?

21. Danika and Karen bought a pizza that was cut into 8 slices. If Danika ate of the pizza, how many slices were left for Karen?

22. Stillwater Middle School has a pep band with 15 members. Of those members, 1 in 3 members plays a percussion instrument and the remaining members play woodwind instruments. If *P* is used for players of percussion instruments and *W* is used for players of woodwind instruments, which of these *illustrates* a way to determine the number of band members playing each kind of instrument?

(a) PWW

(b) PPPPPPPPP WWWWWW

(c) PWW PWW PWW PWW PWW

(d) P W P W P W P W P W P W P

23. Joe’s Pizza sells large pizzas for $8 or you can buy pizza by the slice for $1.50 per slice. Each pizza has 8 slices. Three friends estimate that they will eat 6 slices of pizza. Which of the following would be the better buy (the least expensive option): buying a large pizza or buying 6 slices of pizza by the slice? Show work and explain your reasoning.

24. You have a bag filled with 6 red marbles, 4 blue marbles and 8 yellow marbles. What is the probability of pulling out a red or blue marble?

25. There are 31 students in Mrs. Quigley’s math class, Of those, 15 students have in-line skates, 10 scooters, and 12 have skateboards. Overall, 5 students have both in-line skates and a scooter, 3 have both a scooter and a skateboard, and 2 have both a skateboard and in-line skates. If no students have all three, how many students have only in-line skates or only skateboards?