

Division of Fractions - Practice #2

Name: _____ Class: _____

Sam is in charge of awarding prizes to teams that win medals at an all-state math competition. She decided to give each team member a little bag of chocolate kiss candies with each prize. In problems 1-3, find how many pounds of candy each member on each of the winning teams receives.

1. The team of 8 students shares $\frac{1}{2}$ pound of the chocolate kiss candies.
2. The team of 3 students shares $\frac{3}{4}$ pound of the chocolate kiss candies.
3. The team of 2 students shares $1\frac{1}{2}$ pounds of the chocolate kiss candies.

Solve 4-6 and show why your answer is correct. Drawings may be used to explain your reasoning. Write a number sentence that can be used to solve each problem.

4. Blake wants to make 22 small pizzas for a party. He has 16 cups of flour, and $\frac{3}{4}$ cup of flour is needed for each crust. Does he have enough flour? Explain your answer.
5. At the pet store, there are 12 cages with a rabbit in each. Sarah's mother owns the pet store and allows Sarah to feed the rabbits special treats. She has $1\frac{1}{3}$ pounds of treats for today. How much should Sarah give to each rabbit?



6. It takes $18\frac{2}{3}$ inches of molding to make a small picture frame for a snapshot. Mr. Atkinson has 3 yards (*careful here*) of molding. How many small picture frames can he make? If there is a remainder, tell what this remainder means. 

In 7-12, complete each division. If there is a mixed number equivalent to your quotient, find it.

7. $10 \div \frac{2}{3} =$

8. $\frac{6}{7} \div 4 =$

9. $5 \div 37 =$

10. $\frac{3}{10} \div 2 =$

11. $\frac{2}{5} \div \frac{1}{3} =$

12. $2\frac{1}{2} \div 1\frac{1}{3} =$

Mixed review

Change to a percent:

13. 0.63 _____

14. 1.25 _____

15. 0.056 _____

Change to a decimal:

16. 17% _____

17. 93% _____

18. 33% _____

19. $\frac{3}{5} =$ _____

20. $\frac{1}{4} =$ _____

21. $\frac{2}{3} =$ _____

Multiply:

22. $0.15 \times 7.99 =$ _____

23. 13.95×0.10 _____