

Test Review Worksheet over Fractions

Name _____ Hour _____

For each problem, show ALL steps of your work.

1. $\frac{5}{14} + \frac{13}{14}$

1. _____

2. $\frac{1}{8} + \frac{1}{10}$

2. _____

3. $\frac{8}{9} - \frac{7}{12}$

3. _____

4. $\frac{23}{24} - \frac{13}{24}$

4. _____

5. $\frac{1}{10} \cdot \frac{6}{7}$

5. _____

6. $\frac{3}{7} \cdot 35$

6. _____

7. $\frac{2}{5} \div \frac{5}{6}$

7. _____

8. $\frac{5}{28} \div \frac{1}{7}$

8. _____

9. $6\frac{1}{4} + 5\frac{1}{5}$

9. _____

10. $6\frac{3}{7} + 4\frac{2}{7}$

10. _____

11. $4 - 2\frac{3}{4}$

11. _____

12. $6\frac{6}{7} - \frac{3}{4}$

12. _____

13. $7\frac{2}{7} - 4\frac{1}{5}$

13. _____

14. $3\frac{1}{2} \cdot 1\frac{1}{2}$

14. _____

15. $3\frac{6}{7} \cdot 4\frac{1}{3}$

15. _____

16. $10\frac{2}{3} \div 2\frac{2}{7}$

16. _____

17. $6\frac{6}{7} \div 5\frac{1}{7}$

17. _____

18. Brendon has $\frac{1}{2}$ of a bottle of juice, Alex has $\frac{5}{8}$ of a bottle of juice, and Matja has $\frac{3}{4}$ of a bottle of juice. How much juice do they have all together?

18. _____

19. Seth drank $2\frac{1}{3}$ cups of milk. Steve drank $3\frac{3}{5}$ cups of milk. How much more did Steve drink than Seth?

19. _____

20. Jordan solved the problem $2\frac{3}{5} \times 1\frac{1}{3}$ as shown below. Is her answer correct? Explain your reasoning in complete sentences.

$$\begin{array}{r} 2\frac{3}{5} \\ \times 1\frac{1}{3} \\ \hline 2\frac{3}{15} \end{array}$$

21. Emily's mom wants to make cupcakes for the bake sale fundraiser her school is having. The different types of cupcakes require different amounts of flour. Emily's mom has a bag of flour, which contains approximately 8 cups. For each part, find out how many cupcakes can be made from a bag of flour if each of the different cupcakes needs the amount of flour given. Support your answers with a picture and a mathematical sentence.

a) $\frac{1}{4}$ cup of flour

b) $\frac{2}{5}$ cup of flour

22. Students in Mr. Batdorff's science class competed in a review game for the big test that was coming up. To help motivate the students, Mr. Batdorff had Skittles as a prize for the winning team. How much of a pound of Skittles would each student on the winning team get if:

Support your answers with a picture and a mathematical sentence.

a) A five-person team won $\frac{1}{3}$ lb of Skittles?

b) A 4-person team won $\frac{3}{5}$ lb of Skittles?

23. Sadie ran $\frac{1}{3}$ of the way from her home to school. She ran $\frac{1}{4}$ mile. How far is it between her home and school? Support your answer with a picture and a mathematical sentence.

24. Allison, Ryan, and Maria are baking cookies together. They need $\frac{3}{4}$ cup of flour and $\frac{1}{3}$ cup of butter to make a dozen cookies. They each brought the ingredients they had at home.

Allison brought 2 cups of flour and $\frac{1}{4}$ cup of butter, Ryan brought 1 cup of flour and $\frac{1}{2}$ cup of butter, and Maria brought $1\frac{1}{4}$ cups of flour and $\frac{3}{4}$ cups of butter.

If the students have plenty of the other ingredients they need (sugar, salt, baking soda, etc), how many whole batches of a dozen cookies can they make?

Show mathematical proof of your answer and explain your reasoning in complete sentences.