Name_____

6th Grade Unit 3 Practice Test Questions

1. What is the recommended serving size if $\frac{4}{5}$ cup is $\frac{5}{6}$ of a serving?

2. Rewrite this division problem as multiplication.

$$\frac{9}{10} \div \frac{4}{7}$$

3. Rachel has $\frac{9}{12}$ pound of birdseed. She is filling bags with $\frac{1}{3}$ pound of birdseed in each bag. How many bags will Rachel fill?

4. Divide. $\frac{4}{5} \div \frac{5}{12}$

5. Hailie has a cupcake recipe that calls for $2\frac{1}{2}$ cups of flour. She made $\frac{3}{4}$ the cupcakes that the recipe called for. How much flour did she use?

6. Olivia is canning apples. After processing the apples, she can fill 1 canning jar for every $3\frac{1}{4}$ pounds of fresh pears that he picked. If Olivia picked 26 pounds of apples, how many canning jars can she fill after processing the apples?

7. Joe bought $1\frac{1}{2}$ pounds of fudge. He and 5 friends will share the fudge equally. How much fudge will each friend receive?

8. What is the value of *n*?

$$5\frac{3}{4} \div \frac{7}{8}$$

9. What is the quotient when $\frac{4}{5}$ is divided by $\frac{3}{8}$?

10. In the number sentence $3\frac{2}{3} \div \frac{3}{4} = 4\frac{8}{9}$, what is the reciprocal of the divisor?

11. Mason had a ribbon that was $5\frac{1}{2}$ yards long. He cut it into strips that were each $\frac{3}{4}$ yard long. Into how many strips did he cut the ribbon?

12. A strip of paper is $8\frac{3}{6}$ inches long. Logan cuts it into pieces that are each $\frac{1}{2}$ inch long. Into how many pieces does Logan cut the strip of paper?

13. In the number sentence $3\frac{2}{3} \div \frac{3}{4} = 4\frac{8}{9}$, which number is the dividend?

14. The organizers of a 18-mile bicycle race placed water stations every $1\frac{1}{2}$ miles along the route. How many water stations were there?

15. Drew can paint one picture in $3\frac{1}{2}$ hours. How many pictures can he paint in $31\frac{1}{2}$ hours?

16. Leanne bought $6\frac{1}{2}$ pounds of ground beef to make hamburgers for a party. She uses $\frac{1}{2}$ pound for each burger. She wants to calculate how many hamburgers she can make.

How many hamburgers can she make? _____

Show your work below:

Explain how you found your answer.

_____
_____
_____
_____

Leanne wants to make 8 more hamburgers.

How much more ground beef does she need to buy? _____

Show your work below:

Explain how you found your answer.

_____
_____
_____

17. A school has 324 students in sixth grade. Each science class can have at most 27 students. What is the minimum number of science classes needed?

18. A concert hall has 840 seats in 35 equal rows. How many seats are in each row?

19. There are 156 students in the fifth grade. Each student will receive an equal number of candy bars to sell. There are a total of 33,072 candy bars. How many candy bars will each student get to sell?