

## 5<sup>th</sup> Grade Fractions Prerequisite Skills Test

Name \_\_\_\_\_

Write each fraction in simplest form.

1.  $\frac{24}{28}$  \_\_\_\_\_      2.  $\frac{6}{16}$  \_\_\_\_\_      3.  $3\frac{18}{24}$  \_\_\_\_\_

Solve. Write your answer in simplest form.

4. Jake had 10 apples. He ate some of the apples. He has 6 apples left. What fraction of the original apples does he have left?

\_\_\_\_\_

5. Juan and his friend bought 77 pieces of pizza. They ate 55 pieces. What fraction of the pizza did they eat?

\_\_\_\_\_

Write as a fraction in simplest form.

6.  $20 \div 40 =$  \_\_\_\_\_      7.  $15 \div 20 =$  \_\_\_\_\_

8. Are  $\frac{3}{8}$  and  $\frac{9}{24}$  equivalent fractions? Why or why not?

\_\_\_\_\_

9. What is  $2\frac{1}{2}$  written as an improper fraction? \_\_\_\_\_

10. What is  $\frac{25}{6}$  written as a mixed number? \_\_\_\_\_

Solve. Write your answer as a fraction in simplest form or a mixed number.

11. Mabel shared some apples with her friends. She handed out  $\frac{1}{2}$  apple to each of 15 friends. How many apples did she hand out?

\_\_\_\_\_

12. Jane wants to make popcorn balls. Each popcorn ball requires  $\frac{1}{3}$  of a bag of popcorn. If she has  $2\frac{2}{3}$  bags of popcorn, how many popcorn balls can she make?

\_\_\_\_\_

13. José has 84 model trucks. He wants to divide them into 4 sets, giving three sets to friends and keeping one set for himself. How many trucks will be in each set?

\_\_\_\_\_

14. If a farmer has 54 mangos, how many boxes can he fill with 6 mangos in each box?

\_\_\_\_\_

15. Jenna is giving her marble collection away to her friends. She wants to divide 28 marbles equally among four friends. She is planning to give 6 marbles to each friend. Has she figured out the right number to give to each person? Why or why not?

\_\_\_\_\_

Solve.

16. What is  $\frac{125}{125}$  in simplest form? \_\_\_\_\_

17. What is  $\frac{327}{1}$  in simplest form? \_\_\_\_\_

18. If  $45 \times 75$  is 3375, what is  $3375 \div 45$ ? \_\_\_\_\_

Divide the numbers given. Check your work to show your answer is correct.

19.  $85 \div 5 =$  \_\_\_\_\_

20.  $1728 \div 4 =$  \_\_\_\_\_