

Chapter Test

Form A

Chapter 4

Estimate each product or quotient.

1. $9\frac{2}{3} \times 2\frac{1}{5}$ _____

2. $11\frac{3}{4} \div 1\frac{5}{6}$ _____

3. $29\frac{7}{8} \div 5\frac{1}{6}$ _____

4. $4\frac{1}{8} \times 10\frac{2}{3}$ _____

Find each product or quotient.

5. $\frac{5}{9} \div \frac{5}{6}$ _____

6. $\frac{2}{5}$ of 35 _____

7. $1\frac{8}{11} \div \frac{1}{3}$ _____

8. $\frac{1}{2} \times \frac{3}{4}$ _____

9. $2\frac{1}{5} \times 1\frac{1}{3}$ _____

10. $18 \div \frac{1}{8}$ _____

11. $7\frac{4}{5} \div 3$ _____

12. $3 \times 4\frac{5}{7}$ _____

Solve.

13. Kisha plans to double a recipe for cookies. The original recipe calls for $1\frac{3}{8}$ cups of flour. How much does she need for the doubled recipe? Write as a mixed number in simplest form.

14. Sammy wants to make a half portion of a recipe that calls for $1\frac{1}{3}$ cups of milk. How much milk does she need for the half portion?

15. You want to cut a 10-foot board into $2\frac{1}{2}$ -foot lengths. How many pieces will you have?

Solve each equation.

16. $\frac{x}{4} = 6$ _____

17. $\frac{b}{7} = 5$ _____

18. $\frac{c}{9} = 9$ _____

19. $\frac{y}{10} = 120$ _____

20. $\frac{x}{15} = 3$ _____

21. $\frac{z}{12} = 4$ _____

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Chapter Test (continued)**Form A***Chapter 4***Write the reciprocal of each number.**

22. 15 _____

23. $\frac{4}{5}$ _____

24. 27 _____

25. $\frac{9}{7}$ _____

Solve for each equation. Check the solution.

26. $\frac{1}{4}x = 6$ _____

27. $\frac{4}{5}x = \frac{7}{10}$ _____

28. $\frac{3}{8}x = \frac{5}{7}$ _____

29. $\frac{x}{4} = 15$ _____

Solve.

30. The main road leading to Hadley Middle School is $2\frac{3}{4}$ miles long. It is being resurfaced. The road construction manager told the principal that $\frac{1}{3}$ of the road is finished. How many miles of the road have been resurfaced?
- _____

31. Nicky is making cookies. She needs to add $1\frac{1}{2}$ teaspoons of baking soda, but she can only find the $\frac{1}{4}$ -teaspoon measuring spoon. How many $\frac{1}{4}$ -teaspoon measures should she use?
- _____