

Practice Test

Vocabulary and Concepts

1. Explain how to multiply a fraction and a whole number.
3. Compare and contrast dividing two fractions and multiplying two fractions.

Skills and Applications

Multiply. Write in simplest form.

7. $\frac{9}{10} \times \frac{5}{8}$

8. $6 \times \frac{5}{24}$

9. $\frac{7}{12} \times \frac{3}{28}$

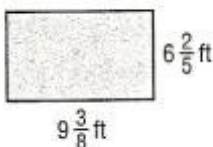
10. $1\frac{4}{5} \times 2\frac{2}{3}$

11. $\frac{1}{6} \times 3\frac{3}{8}$

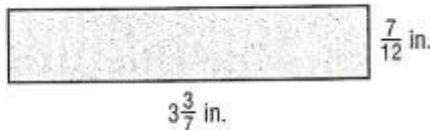
12. $3\frac{1}{5} \times 1\frac{1}{4}$

GEOMETRY Find the area of each rectangle.

13.



14.



Divide. Write in simplest form.

15. $\frac{1}{8} \div \frac{3}{4}$

16. $\frac{2}{5} \div 4$

17. $6 \div 1\frac{4}{5}$

18. $5\frac{3}{4} \div 1\frac{1}{2}$

19. $8\frac{1}{3} \div 2\frac{1}{2}$

20. $3\frac{5}{8} \div 4$

21. **KITES** Latanya works at a kite store. To make a kite tail, she needs $2\frac{1}{4}$ feet of fabric. If Latanya has $29\frac{1}{4}$ feet of fabric, how many kite tails can she make?

Describe each pattern. Then find the next two numbers in the sequence.

22. 14, 19, 24, 29, ...

23. 243, 81, 27, ...

24. 71, 60, 49, 38, ...

Standardized Test Practice

25. **SHORT RESPONSE** There are 24 students in Annie's math class. If the total number of students at her school is $21\frac{3}{8}$ times the number of students in her math class, how many students attend Annie's school?