

UNIT TEST **Lessons 9-16**



Divide. Reduce answers when possible and write any improper fractions as mixed numbers.

1. $\frac{1}{2} \div \frac{5}{9} = \underline{\hspace{2cm}}$

2. $\frac{3}{7} \div \frac{5}{6} = \underline{\hspace{2cm}}$

3. $\frac{4}{7} \div \frac{5}{14} = \underline{\hspace{2cm}}$

4. $\frac{7}{9} \div \frac{2}{3} = \underline{\hspace{2cm}}$

5. $\frac{3}{4} \div \frac{1}{8} = \underline{\hspace{2cm}}$

6. $\frac{1}{4} \div \frac{3}{5} = \underline{\hspace{2cm}}$

Multiply. Reduce answers when possible.

7. $\frac{1}{4} \times \frac{1}{3} = \underline{\hspace{2cm}}$

8. $\frac{4}{5} \times \frac{7}{10} = \underline{\hspace{2cm}}$

9. $\frac{2}{5} \times \frac{1}{2} = \underline{\hspace{2cm}}$

10. $\frac{3}{4} \times \frac{1}{4} = \underline{\hspace{2cm}}$

11. $\frac{3}{7} \times \frac{2}{9} = \underline{\hspace{2cm}}$

12. $\frac{1}{8} \times \frac{1}{6} = \underline{\hspace{2cm}}$

UNIT TEST II

Use the divisibility rules to answer the questions. Write yes or no in the blanks.

13. Is 18 divisible by 2? _____

14. Is 552 divisible by 5? _____

15. Is 102 divisible by 3? _____

16. Is 962 divisible by 9? _____

17. What is the GCF of 28 and 54?

18. What are the prime factors of 60?

Reduce the fractions using any method you wish.

19. $\frac{4}{12} = \text{_____}$

20. $\frac{15}{20} = \text{_____}$

21. $\frac{18}{42} = \text{_____}$

Change each mixed number to an improper fraction.

22. $1\frac{3}{4} = \frac{\quad}{4} + \frac{\quad}{4} = \text{_____}$

23. $2\frac{7}{9} = \frac{\quad}{9} + \frac{\quad}{9} + \frac{\quad}{9} = \text{_____}$

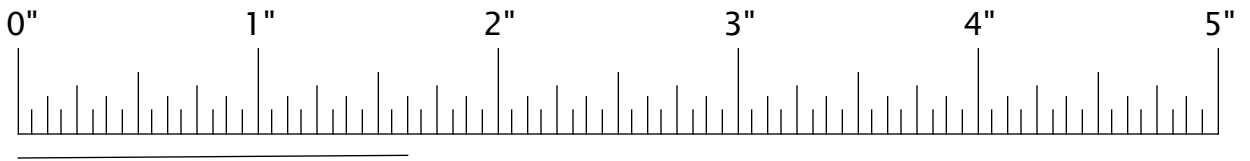
Change each improper fraction to a mixed number.

24. $\frac{13}{5} = \frac{\quad}{5} + \frac{\quad}{5} + \frac{\quad}{5} = \text{---}$

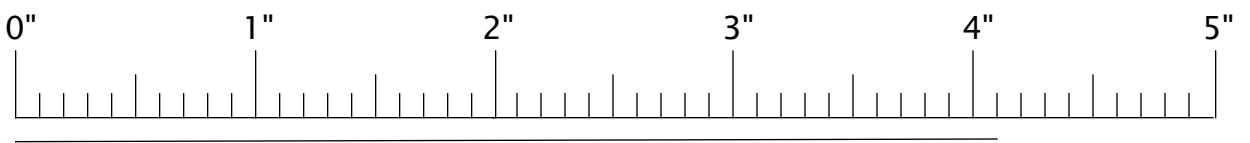
25. $\frac{10}{3} = \frac{\quad}{3} + \frac{\quad}{3} + \frac{\quad}{3} + \frac{\quad}{3} = \text{---}$

Write the length of the line.

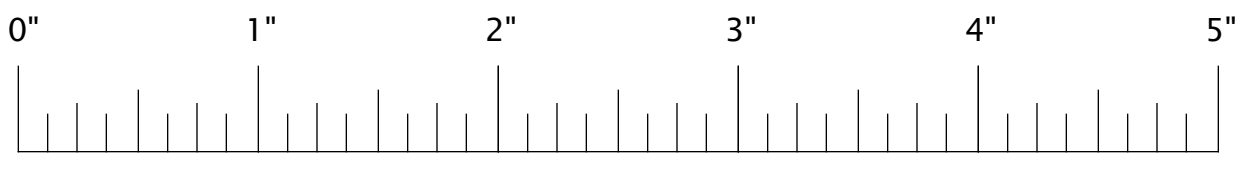
26. --- "



27. --- "

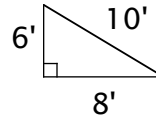
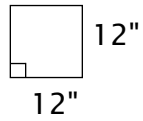
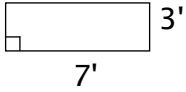


28. --- "



UNIT TEST II

Find the area of each figure.



29. $A = \underline{\hspace{2cm}}$

30. $A = \underline{\hspace{2cm}}$

31. $A = \underline{\hspace{2cm}}$

32. Solve: 9^2

33. Marcy had $\frac{3}{4}$ of her birthday cake left over. She wanted to give each of her guests $\frac{1}{16}$ of a whole cake. How many people can she serve?

34. Before Marcy could serve her guests, her dog came along and ate one-half of the cake that was left over (#33). What part of a whole cake did the dog eat?