Name _____

On Your Own

Find the sum or difference.

7. $\frac{1}{3} + \frac{4}{18}$

8. $\frac{3}{5} + \frac{1}{3}$

9. $\frac{3}{10} + \frac{1}{6}$

10. $\frac{1}{2} + \frac{4}{9}$

11. $\frac{1}{2} - \frac{3}{8}$

12. $\frac{5}{7} - \frac{2}{3}$

13. $\frac{4}{9} - \frac{1}{6}$

14. $\frac{11}{12} - \frac{7}{15}$

MTR **Find the unknown number.**

15. $\frac{9}{10} - \square = \frac{1}{5}$

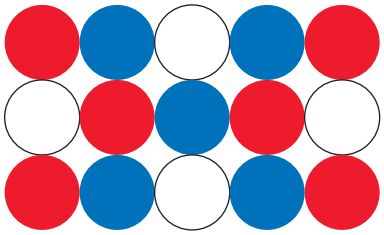
$\square =$ _____

16. $\frac{5}{12} + \square = \frac{1}{2}$

$\square =$ _____

Problem Solving · Applications

Use the picture for Problems 17 and 18.



17. Sara is making a key chain using the bead design shown. What fraction of the beads in her design are either blue or red?

_____

18. In making the key chain, Sara uses the pattern of beads 3 times. After the key chain is complete, what fraction of the beads in the key chain are either white or blue?

MATH on the Spot

_____

19. Tom has $\frac{7}{8}$ cup of olive oil. He uses $\frac{1}{2}$ cup to make salad dressing and $\frac{1}{4}$ cup to make tomato sauce. How much olive oil does Tom have left?

_____

20. On Friday, $\frac{1}{6}$ of band practice was spent trying on uniforms. The band spent $\frac{1}{4}$ of practice on marching. The remaining practice time was spent playing music. What fraction of practice time was spent playing music?

21. MTR Zander had $\frac{4}{5}$ of a spool of twine. He then used $\frac{1}{2}$ of the spool of twine to make friendship knots. He claims to have $\frac{3}{10}$ of the original spool of twine left over. Explain how you know whether Zander's claim is reasonable.

22. Mr. Barber used $\frac{7}{9}$ yard of wire to put up a ceiling fan. He used $\frac{1}{3}$ yard of wire to fix a switch.

Complete the calculations to write equivalent fractions with a common denominator.

$\frac{7}{9} = \frac{7 \times \square}{9 \times \square} = \frac{\square}{\square}$ $\qquad$ $\frac{1}{3} = \frac{1 \times \square}{3 \times \square} = \frac{\square}{\square}$

How much wire did Mr. Barber use to put up the ceiling fan and fix the switch combined? Explain how you found your answer.