3-2 Homework

Name _____ Date _____

Multiply.

1. $\frac{2}{3} \cdot 15 =$ _____
2. $\frac{3}{4} \cdot 8 =$ _____
3. $\frac{7}{8} \cdot 32 =$ _____
4. $\frac{2}{9} \cdot 27 =$ _____
5. $\frac{3}{8} \cdot 56 =$ _____
6. $\frac{3}{4} \cdot 16 =$ _____
7. $\frac{2}{3} \cdot 21 =$ _____
8. $\frac{4}{5} \cdot 35 =$ _____
9. $\frac{5}{7} \cdot 28 =$ _____
10. $\frac{4}{9} \cdot 45 =$ _____
11. $\frac{5}{12} \cdot 24 =$ _____
12. $\frac{9}{10} \cdot 70 =$ _____
13. $\frac{7}{9} \cdot 18 =$ _____
14. $\frac{5}{8} \cdot 80 =$ _____
15. $\frac{4}{15} \cdot 45 =$ _____

Solve. *Show your work.*

16. Rebecca has 21 math problems to solve. She has solved $\frac{2}{7}$ of them. How many problems has she solved?

_____

17. Tessa shot 36 free throws. She made 27 of them. What fraction of her free throws did Tessa make?

_____

18. A carousel has 56 horses. $\frac{3}{8}$ of them are white. How many horses are not white?

_____

19. Nathan works at a hardware store. Today he sold 48 tools. $\frac{5}{6}$ of the tools he sold were hammers. How many hammers did Nathan sell today?

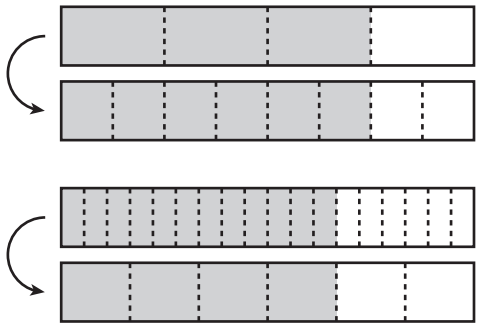
_____

© Houghton Mifflin Harcourt Publishing Company

Name _____ Date _____

Remembering

Complete each exercise about the pairs of fraction bars.



1. What equivalent fractions are shown? _____
2. Identify the multiplier. _____
3. What equivalent fractions are shown? _____
4. Identify the divisor. _____

Write each amount as a decimal number.

5. $\frac{84}{1,000}$ _____
6. $\frac{31564}{1,000}$ _____
7. $\frac{1176}{100}$ _____
8. $\frac{876}{1,000}$ _____

Solve. Write a multiplication equation for each problem.

Jonas has 8 sponsors for the school walk-a-thon.
Maura has 3 times as many sponsors as Jonas.
Trenton has $\frac{1}{4}$ as many sponsors as Jonas.

9. How many sponsors does Maura have? _____

   Write the equation. _____

10. How many sponsors does Trenton have? _____

    Write the equation. _____

11. **Stretch Your Thinking** Hannah and Jo are driving separately to a restaurant that is 60 miles away from their town. Hannah drives $\frac{3}{5}$ of the distance and Jo drives $\frac{5}{6}$ of the distance before stopping for gasoline. Who has driven farther? How many more miles does each driver need to drive to reach the restaurant?

_____

_____

_____

_____

© Houghton Mifflin Harcourt Publishing Company