

Test 11: Study Guide (and some Multiplying Fractions)


Name: _____

Date: _____

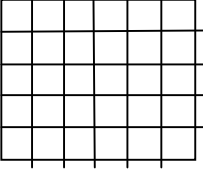
M5N4 Students will continue to develop their understanding of fractions and will compute them
d. Model the multiplication and division of common fractions.
i. Estimate products and quotients.

Use the models to solve questions 1-2.

<p>1. Use division to solve the equation below?</p> $3 \div \frac{1}{4} =$	<p>2. What is $\frac{1}{5} \div 3$?</p>
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<p>3. Solve.</p> $\frac{3}{7} \div \frac{1}{3} =$	<p>4. Use the squares below to draw a model which represents: $4 \div \frac{1}{2} =$</p> 
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<p>5. Wrigley has $\frac{2}{3}$ box of Milkbone dog treats. She wants to share them with 2 other dogs on her street. How much of the box will all 3 dogs get?</p>	<p>6. If each student gets $\frac{1}{4}$ of a Hershey bar at the party, and there are 10 Hershey bars, how many students will be able to receive a piece of the Hershey bar?</p>
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<p>7. Divide: $\frac{3}{4} \div 4$</p>	<p>8. Find the area of the shaded section.</p> 
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9. What fraction is the same as the division problem modeled below?

$$2 \div 6$$

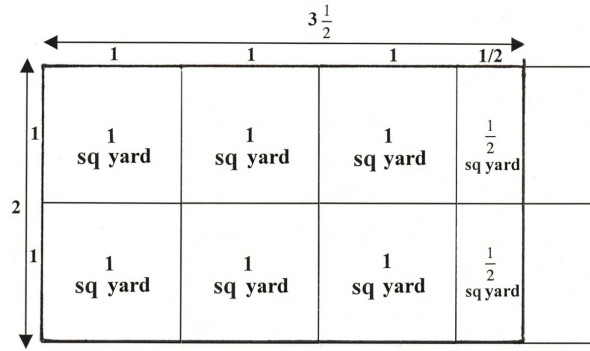
A. $\frac{2}{6}$

B. $\frac{6}{2}$

C. $\frac{6}{6}$

D. $\frac{1}{2}$

10. Find the area of the shape below. Be sure to include the fractional side lengths.



11. Which multiplication sentence can you use to check this division sentence?

$$8 \div 5 = 1\frac{3}{5}$$

A. $\frac{4}{5} \times 5$

B. $\frac{2}{5} \times 5$

C. $\frac{5}{4} \times 8$

D. $5 \times 1\frac{3}{5}$

12. Zayn bought 5 pints of sweet tea. He split the tea into 12 equal portions. How much tea is in each portion?

13. What is the area of Mr. Fields' television if it is $3\frac{1}{2}$ ft. wide by $5\frac{1}{4}$ ft. long?

14. Which division is the same as the fraction $\frac{2}{5}$?

A. $2 \div 5$

B. $5 \div 2$

C. $5 \div 3$

C. $5 \div \frac{2}{5}$

15. Divide: $1/5 \div 5$

16. Niall sang for 4 hours. He stopped every $2/3$ of an hour to rest. How many breaks did he take during his concert?