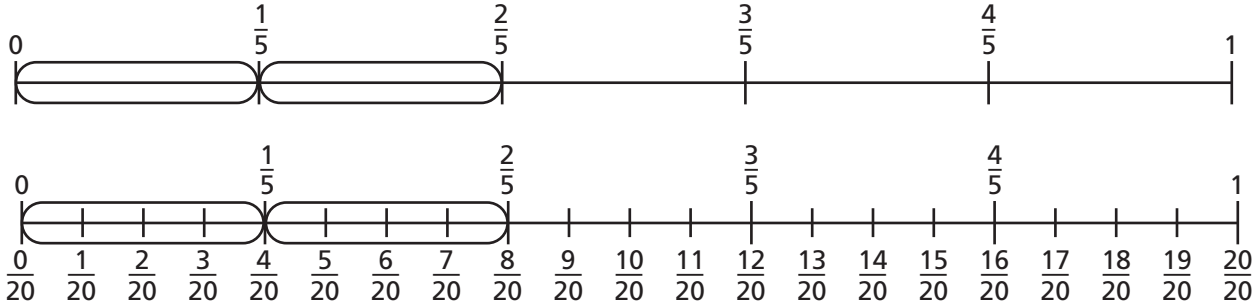
3-4 Homework

Name _____ **Date** _____

Tanith is using a number line to find $\frac{3}{4} \cdot \frac{2}{5}$. This is her work so far:

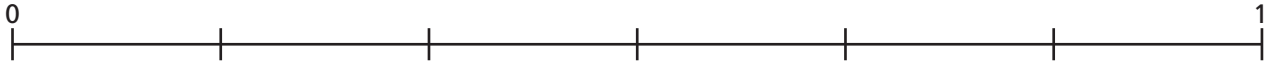


1. Explain Tanith's work so far to someone at home.

2. Finish Tanith's work by circling $\frac{3}{4}$ of each circled fifth. How many 20ths did you circle altogether? _____

   What is $\frac{3}{4} \cdot \frac{2}{5}$? _____

3. Use the number line to find $\frac{2}{3} \cdot \frac{5}{6}$. Label all the parts above and below. _____



Solve. *Show your work.*

4. Four friends at a party popped $\frac{3}{4}$ of a bag of popcorn. They ate half of what was popped. What fraction of the popcorn in the bag did they eat? _____

5. Ashley brought $\frac{7}{8}$ gallon of lemonade to the party. Her friends drank $\frac{2}{3}$ of it. How many gallons of lemonade did they drink? _____

Multiply. You do not need to simplify.

6. $\frac{2}{7} \cdot \frac{1}{3} =$ _____
7. $\frac{4}{9} \cdot \frac{2}{9} =$ _____
8. $\frac{1}{8} \cdot \frac{5}{6} =$ _____
9. $\frac{2}{7} \cdot 12 =$ _____
10. $\frac{4}{5} \cdot \frac{2}{3} =$ _____
11. $\frac{1}{7} \cdot \frac{3}{5} =$ _____
12. $\frac{9}{10} \cdot \frac{1}{2} =$ _____
13. $\frac{5}{12} \cdot 3 =$ _____
14. $\frac{5}{6} \cdot \frac{1}{6} =$ _____

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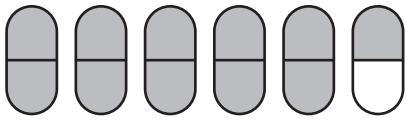
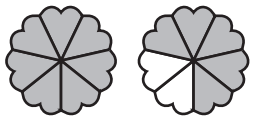
3-4 Remembering

Name _____ Date _____

Name the mixed number shown by the shaded parts.



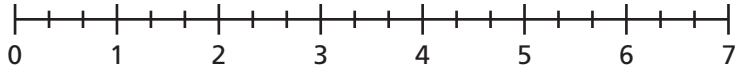


1. _____ 2. _____ 3. _____

Add.

4. 454 + 0.65 = _____ 5. 80.55 + 0.91= _____ 6. 31.78 m + 6.2 m = _____

7. Show $\frac{1}{3}$ of 7 on the number line.



8. Write $\frac{1}{3}$ of 7 as a fraction. _____

9. Write $\frac{1}{3}$ of 7 as a mixed number. _____

10. **Stretch Your Thinking** Solve for the unknown fraction. Then divide and shade an area model to show the equation. $\frac{2}{5} \cdot ? = \frac{10}{30}$.

_____

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