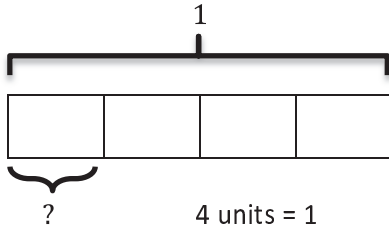Name _____ Date _____

1. Draw a tape diagram to solve. Express your answer as a fraction. Show the addition sentence to support your answer. The first one is done for you.

a. $1 \div 4 = \frac{1}{4}$

Check: $4 \times \frac{1}{4}$

? 4 units = 1

1 unit = 1 ÷ 4

$= \frac{1}{4}$

$= \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

$= \frac{4}{4}$

$= 1$

b. $4 \div 5 = \underline{\quad}$

c. $8 \div 5 = \underline{\quad}$

d. $14 \div 3 = \underline{\quad}$

2. Fill in the chart. The first one is done for you.

Division Expression	Fraction	Between which two whole numbers is your answer?	Standard Algorithm
a. $16 \div 5$	$\dfrac{16}{5}$	3 and 4	$\begin{array}{r} 3\ \frac{1}{5} \\ 5\overline{)16} \\ -15 \\ \hline 1 \end{array}$
b. ____ ÷ ____	$\dfrac{3}{4}$	0 and 1	
c. ____ ÷ ____	$\dfrac{7}{2}$		$2\overline{)7}$
d. ____ ÷ ____	$\dfrac{81}{90}$		

COMMON CORE | Lesson 4:   Use tape diagrams to model fractions as division.
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3. Jackie cut a 2-yard spool into 5 equal lengths of ribbon.
   a. What is the length of each ribbon in yards? Draw a tape diagram to show your thinking.

   b. What is the length of each ribbon in feet? Draw a tape diagram to show your thinking.

4. Baa Baa, the black sheep, had 7 pounds of wool. If he separated the wool equally into 3 bags, how much wool would be in 2 bags?

5. An adult sweater is made from 2 pounds of wool. This is 3 times as much wool as it takes to make a baby sweater. How much wool does it take to make a baby sweater? Use a tape diagram to solve.

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