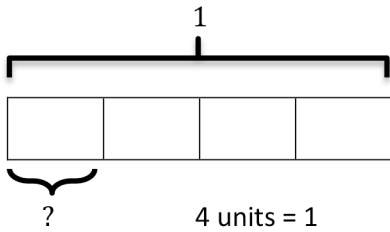Name _____   Date _____

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

1

?   4 units = 1

1 unit = 1 ÷ 4

$= \frac{1}{4}$

Check:

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

$4 \overline{)\,1}$ with $0\;\frac{1}{4}$ above, $-\,0$, 1

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

$= \frac{4}{4}$

$= 1$

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 ÷ 5	$\dfrac{16}{5}$	3 and 4	$3\frac{1}{5}$ $5\overline{)16}$ $\underline{-15}$ 1
b. ____ ÷ ____	$\dfrac{3}{4}$	0 and 1	
c. ____ ÷ ____	$\dfrac{7}{2}$		$2\overline{)7}$
d. ____ ÷ ____	$\dfrac{81}{90}$		

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.

Answer Key

1. a. Answer provided

    b. $\frac{4}{5}$; tape diagram drawn correctly

    c. $\frac{8}{5}$; tape diagram drawn correctly

    d. $\frac{14}{3}$; tape diagram drawn correctly

2. a. Answer provided

    b. 3, 4; algorithm completed correctly

    c. 7, 2; 3 and 4; althorithm completed correctly

    d. 81, 90; 0 and 1; algorithm completed correctly

3. a. $\frac{2}{5}$ yd; tape diagram drawn correctly

    b. $1\frac{1}{5}$ ft; tape diagram drawn correctly

4. $4\frac{2}{3}$ lb

5. $\frac{2}{3}$ lb