Name _____ Date _____

1. Draw a tape diagram to represent $\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$.

   Write a multiplication expression equal to $\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$.

2. Draw a tape diagram to represent $\frac{7}{8}+\frac{7}{8}+\frac{7}{8}$.

   Write a multiplication expression equal to $\frac{7}{8}+\frac{7}{8}+\frac{7}{8}$.

3. Rewrite each repeated addition problem as a multiplication problem and solve. Express the result as a mixed number. The first one has been completed for you.

   a. $\frac{7}{5}+\frac{7}{5}+\frac{7}{5}+\frac{7}{5}=4\times\frac{7}{5}=\frac{4\times7}{5}=\frac{28}{5}=5\frac{3}{5}$

   b. $\frac{7}{10}+\frac{7}{10}+\frac{7}{10}$

   c. $\frac{5}{12}+\frac{5}{12}+\frac{5}{12}+\frac{5}{12}+\frac{5}{12}+\frac{5}{12}$

   d. $\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}+\frac{3}{8}$

4. Solve using any method. Express your answers as whole or mixed numbers.

   a. $7\times\frac{2}{9}$

   b. $11\times\frac{2}{3}$

c. $40 \times \frac{2}{6}$

d. $24 \times \frac{5}{6}$

e. $23 \times \frac{3}{5}$

f. $34 \times \frac{2}{8}$

5. Coleton is playing with interlocking blocks that are each $\frac{3}{4}$ inch tall. He makes a tower 17 blocks tall. How tall is his tower in inches?

6. There were 11 players on Mr. Maiorani's softball team. They each ate $\frac{3}{8}$ of a pizza. How many pizzas did they eat?

7. A bricklayer places 12 bricks along an outside wall of a shed. Each brick is $\frac{3}{4}$ foot long. How many feet long is that wall of the shed?

Answer Key

1. Tape diagram drawn; $4 \times \frac{2}{3}$
2. Tape diagram drawn; $3 \times \frac{7}{8}$
3. a. Answer provided
   b. $3 \times \frac{7}{10} = \frac{21}{10} = 2\frac{1}{10}$
   c. $6 \times \frac{5}{12} = \frac{30}{12} = 2\frac{6}{12}$
   d. $12 \times \frac{3}{8} = \frac{36}{8} = 4\frac{4}{8}$
4. a. $1\frac{5}{9}$
   b. $7\frac{1}{3}$
   c. $13\frac{2}{6}$
   d. 20
   e. $13\frac{4}{5}$
   f. $8\frac{4}{8}$
5. $12\frac{3}{4}$ in
6. $4\frac{1}{8}$
7. 9 ft