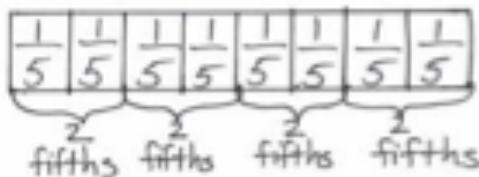


Name Jack

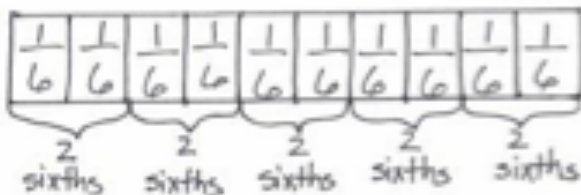
Date _____

1. Draw and label a tape diagram to show the following are true.

a. $8 \text{ fifths} = 4 \times (2 \text{ fifths}) = (4 \times 2) \text{ fifths}$



b. $10 \text{ sixths} = 5 \times (2 \text{ sixths}) = (5 \times 2) \text{ sixths}$



2. Write the expression in unit form to solve.

a. $7 \times \frac{2}{3} = \frac{14}{3}$

$7 \times 2 \text{ thirds} = 14 \text{ thirds}$

b. $4 \times \frac{2}{4} = \frac{8}{4}$

$4 \times \text{two fourths} = 8 \text{ fourths}$

c. $16 \times \frac{3}{8} = \frac{48}{8}$

$16 \times 3 \text{ eighths} = 48 \text{ eighths}$

d. $6 \times \frac{5}{8} = \frac{30}{8}$

$6 \times 5 \text{ eighths} = 30 \text{ eighths}$

3. Solve.

a) $7 \times \frac{4}{9} = \frac{7 \times 4}{9} = \frac{28}{9}$

b. $6 \times \frac{3}{5} = \frac{6 \times 3}{5} = \frac{18}{5}$

c. $8 \times \frac{3}{4} = \frac{8 \times 3}{4} = \frac{24}{4}$

d. $15 \times \frac{3}{8} = \frac{15 \times 3}{8} = \frac{45}{8}$

e. $12 \times \frac{7}{10} = \frac{12 \times 7}{10} = \frac{84}{10}$

f. $3 \times \frac{54}{100} = \frac{3 \times 54}{100} = \frac{162}{100}$

4. Maria needs $\frac{3}{5}$ yard of fabric for each costume. How many yards of fabric does she need for 6 costumes?

$$6 \times \frac{3}{5} = \frac{6 \times 3}{5} = \frac{18}{5}$$

? Maria needs $\frac{18}{5}$ yards of fabric.