BASIC MATH EXPLAINED
Understand, Learn, Teach

Date:

Class:

Name:

1. Arrange the fractions in order, starting with largest fraction.

$$\frac{4}{9}, \frac{1}{9}, \frac{3}{9}, \frac{7}{9}$$

Answer:

2. Study all the fractions below. Circle those that are the same as 1 whole.

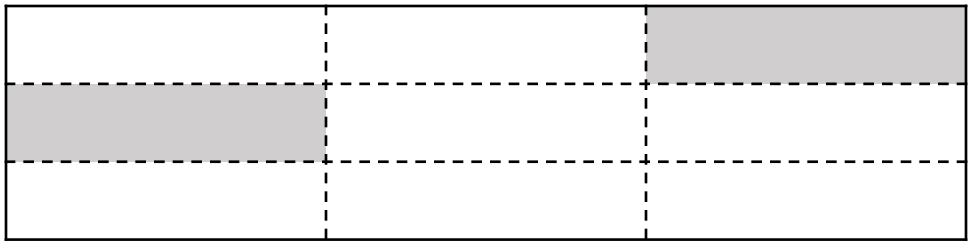
$\frac{4}{6}$ $\frac{3}{3}$ $\frac{2}{5}$ $\frac{1}{2}$ $\frac{7}{7}$ $\frac{4}{4}$

3.

$\frac{1}{3} + \frac{\square}{\square} = \frac{3}{3}$ $\frac{3}{8} + \frac{\square}{\square} = \frac{5}{8}$

$\frac{\square}{\square} + \frac{2}{5} = \frac{4}{5}$ $\frac{\square}{\square} + \frac{5}{9} = \frac{9}{9}$

4. The diagram below shows a rectangle divided into 9 equal parts. Two of the parts are shaded. Shade more parts so that $\frac{5}{9}$ of the rectangle is shaded.



How many more parts did you shade?

Answer: ☐

5. $\frac{3}{5} - \frac{1}{5} = \frac{\square}{\square}$ $\quad\quad$ $\frac{7}{8} - \frac{4}{8} = \frac{\square}{\square}$

$\frac{6}{6} - \frac{2}{6} = \frac{\square}{\square}$ $\quad\quad$ $\frac{7}{7} - \frac{2}{7} = \frac{\square}{\square}$

6. Let's compare Like Fractions. Fill in the blanks with "<" or ">".

$\frac{5}{5}$ ☐ $\frac{2}{5}$ $\quad\quad$ $\frac{2}{6}$ ☐ $\frac{5}{6}$

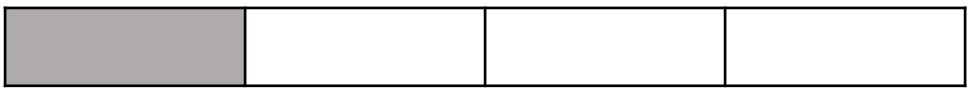
$\frac{3}{7}$ ☐ $\frac{2}{7}$ $\quad\quad$ $\frac{7}{12}$ ☐ $\frac{10}{12}$

$\frac{5}{8}$ ☐ $\frac{7}{8}$ $\quad\quad$ $\frac{8}{14}$ ☐ $\frac{3}{14}$

7. What fraction of each rectangle is shaded?

$\frac{\square}{\square}$

$\frac{\square}{\square}$

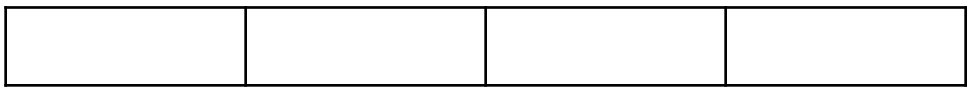


$\frac{\square}{\square}$

$\frac{\square}{\square}$

8. Shade each rectangle to show the fraction.

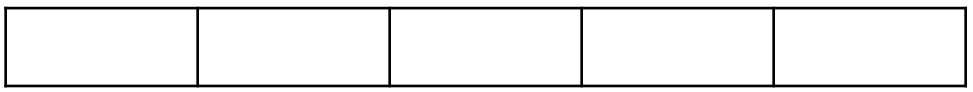
$\frac{2}{4}$



$\frac{3}{8}$

$\frac{4}{10}$

$\frac{2}{5}$



9. Marilyn and Ismail each had a bar of chocolate of the same size.
Marilyn ate $\frac{3}{6}$ of her chocolate. Ismail ate $\frac{3}{4}$ of his chocolate.

Who ate more chocolate? Draw the fraction each person ate in the diagram below to support your answer.

Marilyn

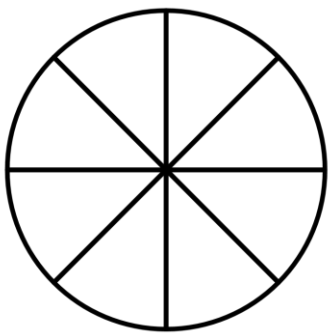
Ismail

Answer:

10. John and Kenneth shared a cake. They divided the cake into 8 equal pieces. John ate 2 pieces of cake. Kenneth ate one more piece than John.

a) What fraction of the cake did they eat altogether?

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$$



b) What fraction of the cake is left?

$$\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$$

Answer: a) b)