

**Challenge** - you can use the challenge fraction wall to help you or you can multiply the numerator and denominator by the same number to find an equivalent fraction.

1. Josh offers Sam  $\frac{3}{4}$  of his cake or  $\frac{10}{16}$  of his cake. Which is a better offer? Explain your answer.
2. Mrs Jackson wins the lottery. She gives  $\frac{2}{5}$  of her fortune to Mr Hill.  
She gives  $\frac{3}{10}$  to Mrs Taylor. Who received the most money?
3. Edward has a pie which he has cut up into 8 equal slices. Charlie has a pie which is the same size but he has cut it up into 4 equal slices. They both ate 3 slices of their own pie. Who ate the most? Prove it!
4. Which is larger,  $\frac{2}{3}$  or  $\frac{3}{6}$ ? Draw a diagram to prove it.
5. Daisy makes a ham and pineapple pizza and a peperoni pizza. Both pizzas are exactly the same size. She cuts the ham and pineapple pizza into 16 slices. She cuts the peperoni pizza into 8 slices. Her family eats 11 slices of the ham and pineapple and 6 slices of the peperoni pizza. Did her family eat more pineapple or peperoni pizza? How do you know?
6. Order these fractions from smallest to largest:

$$\frac{3}{4} \quad \frac{3}{5} \quad \frac{9}{10} \quad \frac{17}{20}$$

7. Choose one of the following symbols to make the number sentences correct:

<, > or =

$$\frac{1}{3} \quad \square \quad \frac{2}{5}$$

$$\frac{3}{7} \quad \square \quad \frac{1}{3}$$

$$\frac{2}{3} \quad \square \quad \frac{6}{9}$$

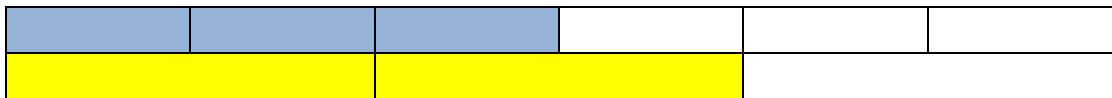
## Answers

1.  $\frac{3}{4}$  is the bigger amount.  $\frac{3}{4} = \frac{12}{16}$  so that is bigger than  $\frac{10}{16}$ .

2. Mr Hill because  $\frac{2}{5} = \frac{4}{10}$ .

3. Edward eats  $\frac{3}{8}$ , Charlie eats  $\frac{3}{4} = \frac{6}{8}$  Therefore, Charlie eats the most.

4.  $\frac{2}{3} = \frac{4}{6}$  Therefore,  $\frac{2}{3}$  is larger than  $\frac{3}{6}$ .



5. Pineapple pizza =  $\frac{11}{16}$  Pepperoni pizza =  $\frac{6}{8}$

$\frac{6}{8} = \frac{12}{16}$  More pepperoni was eaten.

6. Order these fractions from smallest to largest:

$\frac{3}{5}$     $\frac{3}{4}$     $\frac{17}{20}$     $\frac{9}{10}$

7. Choose one of the following symbols to make the number sentences correct:

<, > or =

$\frac{1}{3}$    <    $\frac{2}{5}$     $\frac{3}{7}$    >    $\frac{1}{3}$     $\frac{2}{3}$    =    $\frac{6}{9}$