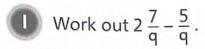
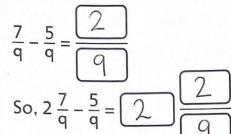
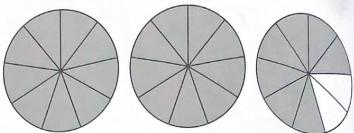
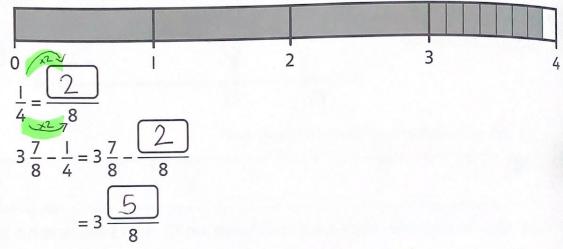
Subtracting fractions







2 a) Work out $3\frac{7}{8} - \frac{1}{4}$.



b) Work out $3\frac{7}{8} - \frac{1}{2}$.

$$\frac{1}{2} = \frac{4}{8}$$

$$3\frac{7}{8} - \frac{1}{2} = 3\frac{7}{8} - \frac{4}{8}$$

$$= 3\frac{3}{8}$$

c) Work out:

$$3\frac{7}{8} - 1 = 2$$

$$3\frac{7}{8} - \frac{7}{8} = \boxed{3}$$

3 A bakery sells cherry pies.

Each pie is cut into 12 slices.

The bakery has $2\frac{7}{12}$ pies left.

A customer buys $\frac{1}{3}$ of a pie.

How many pies are left?







 $2\frac{3}{12} \div 3 \frac{1}{4} = 2^{1}/4$ Simplest form $2\frac{7}{12} - \frac{4}{12} = 2\frac{3}{12}$

pies left. There are 2

- Work out the following questions. Draw a diagram if this will help.
 - a) $2\frac{3}{4} \frac{1}{2}$



$$2^{3}/4 - \frac{2}{4} = 2^{1}/4$$

c)
$$2\frac{3}{4} - \frac{3}{8}$$

$$\frac{3}{4} = \frac{6}{8}$$

$$2\frac{6}{8} - \frac{3}{8} = 2\frac{3}{8}$$

b) $1\frac{7}{10} - \frac{1}{2}$

$$\frac{1}{2} = \frac{5}{10}$$

$$\frac{1}{7} = \frac{5}{10} = \frac{2}{10} = \frac{1}{5}$$

$$\frac{2}{10} = \frac{1}{5}$$

d) $1\frac{7}{10} - \frac{3}{5}$

$$\frac{3}{5} = \frac{6}{10}$$

$$1\frac{7}{10} - \frac{6}{10} = 1\frac{1}{10}$$

Work out the missing fractions.

or
$$\frac{1}{2}$$
 $= 4\frac{1}{8}$ $= 4\frac{1}{8}$ b) 3 $= -\frac{2}{9}$ $= 3$

c)
$$\frac{1}{q}$$
 $-\frac{2}{q} = 3$

d)
$$8\frac{7}{12} - \frac{7}{12} = 8$$

Two TV shows last $2\frac{7}{8}$ hours in total. Adverts in the two shows last $\frac{1}{4}$ of an hour in total. The first show lasts $\frac{1}{2}$ an hour.



How long does the second show last?

$$1/4 = \frac{2}{8}$$
 $2^{7/8} - \frac{2}{8} = 2^{5/8}$.
 $1/2 = \frac{4}{8}$ \Rightarrow $2^{5/8} - \frac{4}{8} = 2^{1/8}$

The second show lasts 2

Reflect

How do you know that $2\frac{3}{5} - \frac{3}{10}$ is greater than 2?

- 35 is greater than 3/10 because 3/5 = 6/10, I can take away 3/10 without any exchanging from the whole number so the answer will be greater than