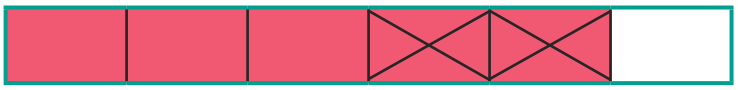
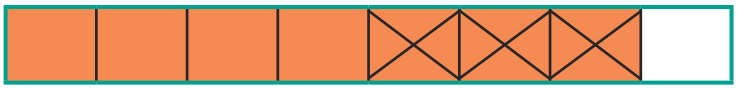
1) Use the bar model to help subtract the fractions.

a)



$\frac{5}{6} - \frac{\square}{\square} = \frac{\square}{\square}$

b)



$\frac{7}{8} - \frac{\square}{\square} = \frac{\square}{\square}$

2) Represent the number sentences as bar models to help you find the answers.

a) $\frac{4}{7} - \frac{2}{7} = \frac{\square}{\square}$

b) $\frac{6}{9} - \frac{1}{9} = \frac{\square}{\square}$

3) True or false? Prove it using a bar model.

a) three-sevenths subtract two-sevenths equals one-seventh

b) two-quarters subtract one-quarter equals one-half

1) Work out what the missing fractions are.

a) $\frac{5}{8} - \frac{2}{8} = \frac{1}{8} + \frac{\square}{\square}$

b) $\frac{10}{11} - \frac{\square}{\square} = \frac{3}{11} + \frac{4}{11}$

2) This pizza is being shared at Francis' birthday party.

Francis

If I give away $\frac{2}{6}$ of my pizza, I will still have $\frac{3}{6}$ left over.

Do you agree with Francis? Prove it!

3) Alexander has a chocolate bar with 8 pieces.

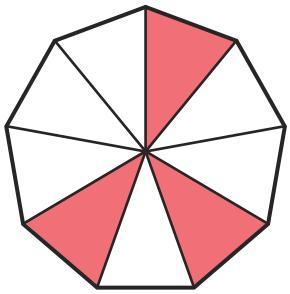
Alexander

If I eat 2 pieces and give $\frac{3}{8}$ to a friend, I will still have over half of what I started with.

Do you agree with Alexander? Explain with reasoning.

4) A shape has been part shaded.

What fractions could have been subtracted to create this shape?



a) Find 2 possibilities with 2 fractions.

b) Find 2 possibilities with 3 fractions.

1) Work out what the missing numerators could be are. How many possibilities can you find?

a) $\frac{7}{12} - \frac{\square}{12} = \frac{1}{12} + \frac{\square}{12}$

b) $\frac{\square}{16} - \frac{8}{16} = \frac{\square}{16} + \frac{6}{16}$

2) 3 children each took an even number of footballs during practice with none remaining.

$\frac{10}{10} - \frac{\square}{\square} - \frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$

How many number sentences can you think of that show the number of footballs that each child could have taken?

3) Year 3 are discussing what happens when you subtract fractions.

Alexander

If you subtract 2 fractions for another fraction, you will always have nothing left.

Is this statement always, sometimes or never true? Prove it!

4) Using fractions, how many addition and subtraction calculations can you make from the image?