1. Draw in the fraction piece or pieces to show the difference between the two fractions. Name the piece or combination of pieces then write the subtraction equation. The first one is done for you.

a)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

| $\frac{1}{2}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |

For example: $\dfrac{4}{5} - \dfrac{1}{2} = \dfrac{3}{10}$

b)

$\frac{1}{2}$

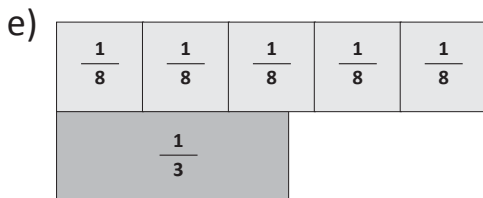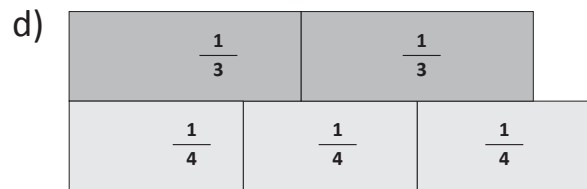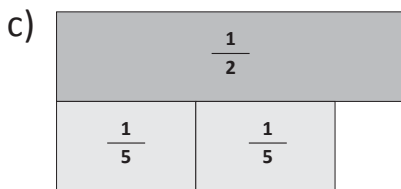| $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ |

c)

$\frac{1}{2}$

| $\frac{1}{5}$ | $\frac{1}{5}$ |

d)

$\frac{1}{3}$	$\frac{1}{3}$

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |

e)

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{3}$

f)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |

g)

$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |

h)

$\frac{1}{5}$	$\frac{1}{5}$

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
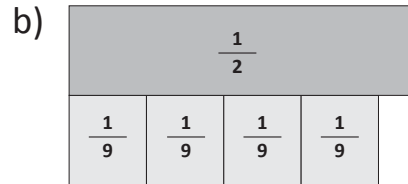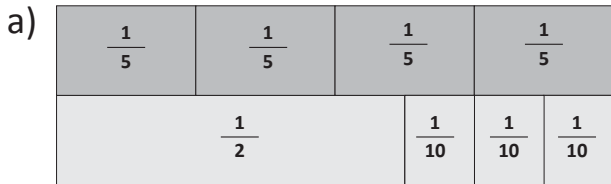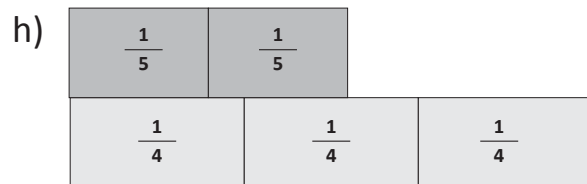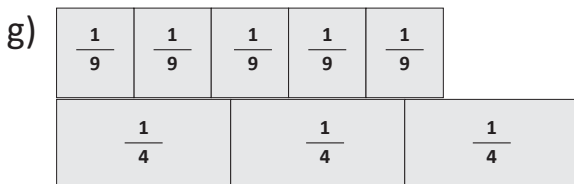
2. The Hohepa and the McLean families are both driving 160 kilometres from Morrinsville to Whakatane. The GPS shows Mrs Hohepa that she has covered 120 kilometres, and, at the same moment, Mr McLean sees that he has covered 128 kilometres.

   What fraction of the whole trip are the family cars apart?
   Find two different ways to solve this problem.

3. Kim, Tim and Vim go shares in a start up technology company. Kim puts up two-fifths of the money, Tim puts up one third, and Vim puts up the rest.

   What fraction of the company should Vim own?

4. In a survey of 1200 New Zealand teenagers, three eighths of people gave hip hop as their favourite music, one third opted for pop, one quarter chose rock, and the rest chose 'other'.

a. Draw an accurate pie chart to represent these data.
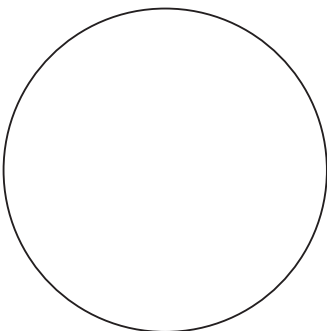
b. What is the difference **between the fractions** of people that…   ?
   Chose hip hop compared to those who chose pop.
   Chose rock compared to those who chose pop.
   Chose 'other' compared to those who chose hip hop.

5. Ruka and Meremere prepare the root vegetables for the hāngi. They cut kumara, potatoes, carrots, and pumpkin into serve-size pieces.

One third of the pieces are kumara
One sixth of the pieces are potato
One quarter of the pieces are Kāreti (carrot)
There are 50 pieces of paukena (pumpkin)

How many pieces of root vegetable do Ruka and Meremere make for the hāngi?