L.O. To add three fractions

1.   Complete the additions.

   Use the bar models to help you.

   a)

   [bar model: row of 12 empty cells]

   $\dfrac{1}{2} + \dfrac{1}{4} + \dfrac{1}{12} = \boxed{}$

   b)

   [bar model: row of 12 empty cells]

   $\dfrac{1}{2} + \dfrac{1}{3} + \dfrac{1}{12} = \boxed{}$

   c)

   [bar model: row of 12 empty cells]

   $\dfrac{2}{3} + \dfrac{1}{6} + \dfrac{1}{12} = \boxed{}$

   d)

   [bar model: row of 12 empty cells]

   $\dfrac{1}{3} + \dfrac{1}{4} + \dfrac{1}{6} = \boxed{}$

2.   Complete the additions.

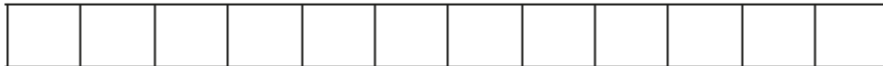   a) $\dfrac{1}{5} + \dfrac{3}{10} + \dfrac{7}{20} = \boxed{}$

   b) $\dfrac{1}{16} + \dfrac{5}{32} + \dfrac{3}{8} = \boxed{}$

   c) $\dfrac{1}{4} + \dfrac{5}{24} + \dfrac{5}{12} = \boxed{}$

   d) $\dfrac{3}{16} + \dfrac{1}{2} + \dfrac{1}{4} = \boxed{}$

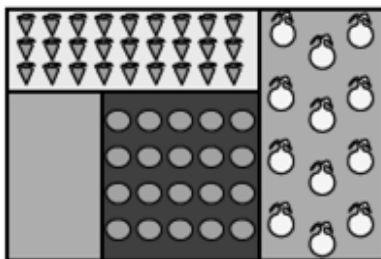   e) $\dfrac{1}{2} + \dfrac{5}{18} + \dfrac{1}{9} = \boxed{}$

   f) $\dfrac{1}{5} + \dfrac{8}{35} + \dfrac{2}{7} = \boxed{}$

3. Rosie has a vegetable patch.

$\frac{2}{9}$ of the patch contains carrots.
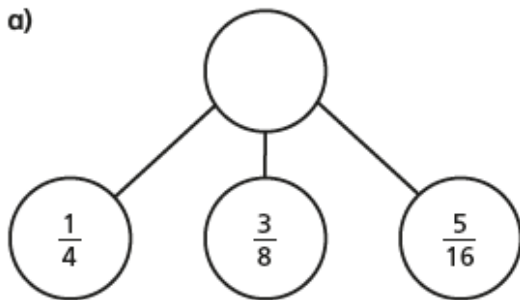
$\frac{5}{18}$ of the patch contains potatoes.
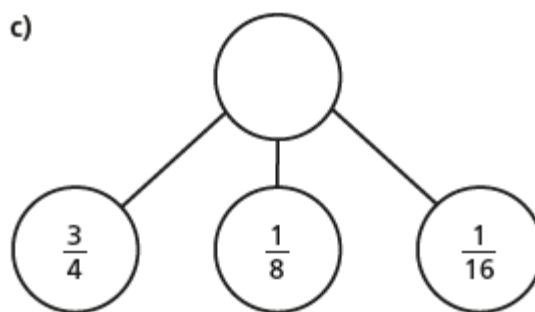
$\frac{1}{3}$ of the patch contains onions.

What fraction of the patch contains carrots, potatoes or onions?
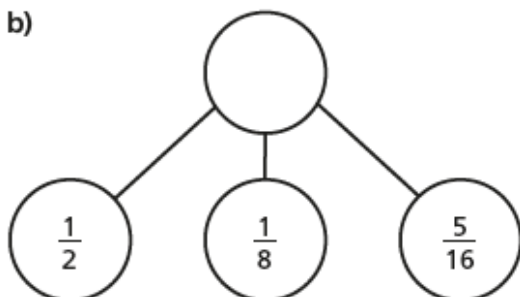
4. Complete the part-whole models.

a)

$\frac{1}{4}$ $\frac{3}{8}$ $\frac{5}{16}$

b)

$\frac{1}{2}$ $\frac{1}{8}$ $\frac{5}{16}$

c)

$\frac{3}{4}$ $\frac{1}{8}$ $\frac{1}{16}$

5. Complete the number square.

The total of each column is $\frac{4}{5}$

The total of each row is $\frac{4}{5}$

$\frac{3}{10}$	$\frac{2}{5}$	
	$\frac{1}{10}$	
$\frac{7}{20}$		