

4 a) Complete the calculations.

$$\frac{1}{5} + \frac{1}{10} = \boxed{}$$

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

$$\frac{3}{5} + \frac{1}{10} = \boxed{}$$

$$\frac{4}{5} + \frac{1}{10} = \boxed{}$$

$$\frac{1}{16} + \frac{5}{32} = \boxed{}$$

$$\frac{1}{8} + \frac{5}{32} = \boxed{}$$

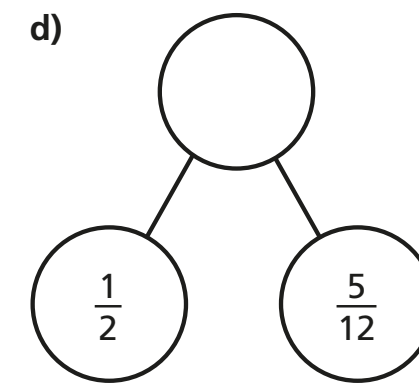
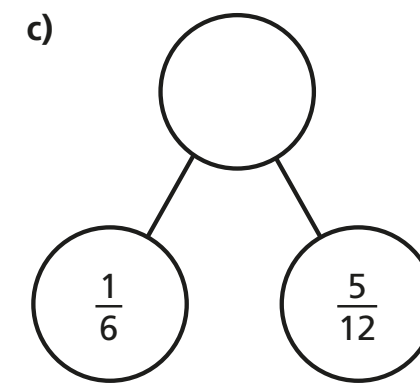
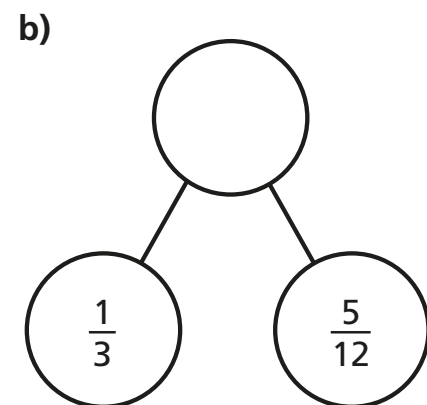
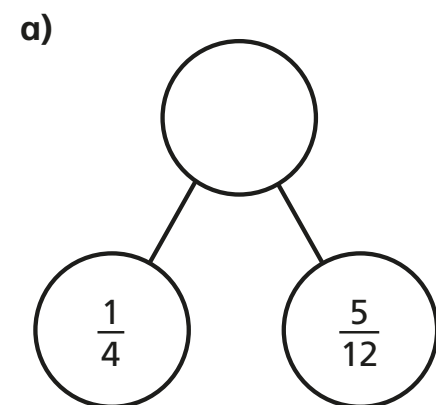
$$\frac{1}{4} + \frac{5}{32} = \boxed{}$$

$$\frac{1}{2} + \frac{5}{32} = \boxed{}$$

b) Can you spot any patterns? Talk to a partner about it.

c) What calculation would come next in each set?

5 Complete the part-whole models.



6

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8}$$

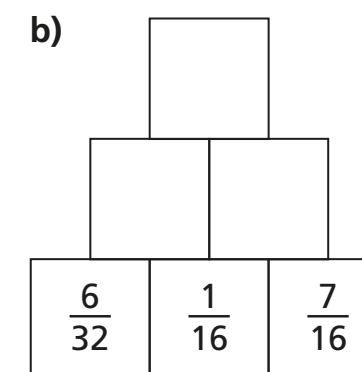
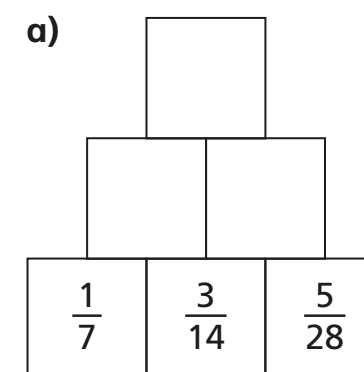
What could the missing numerators be?

Give six different possibilities.

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8} \quad \frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8} \quad \frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8} \quad \frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8} \quad \frac{\boxed{}}{8} + \frac{\boxed{}}{16} = \frac{7}{8}$$

7 Complete the addition pyramids.



c) What fraction is equivalent to both of the fractions at the top of the pyramids?