

4. a)  $\frac{5}{7}$  of 56

$\downarrow$   
 $\frac{1}{7} = 8$

$\frac{5}{7} = 40$

( $>$ )

$\frac{5}{8}$  of 56

$\downarrow$   
 $\frac{1}{8} = 7$

$\frac{5}{8} = 35$

b)  $\frac{4}{7}$  of 56

$\downarrow$   
 $\frac{1}{7} = 8$

$\frac{4}{7} = 28$

( $<$ )

$\frac{5}{8}$  of 56

$\downarrow$   
 $\frac{1}{8} = 7$

$\frac{5}{8} = 35$

c)  $\frac{2}{3}$  of 63

$\downarrow$   
 $\frac{1}{3} = 21$

$\frac{2}{3} = 42$

( $>$ )

$\frac{5}{8}$  of 64

$\downarrow$   
 $\frac{1}{8} = 8$

$\frac{5}{8} = 40$

d)  $\frac{7}{10}$  of 350

$\downarrow$   
 $\frac{1}{10} = 35$

$\frac{7}{10} = 245$

( $<$ )

$\frac{5}{7}$  of 350

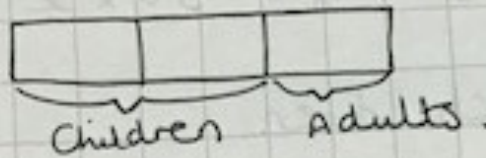
$\downarrow$   
 $\frac{1}{7} = 50$

$\frac{5}{7} = 250$

$$\begin{array}{r} 35 \\ \times 7 \\ \hline 245 \\ \hline \end{array}$$

5. a) 165 people.

$\frac{2}{3}$  are children.



I need to find  $\frac{1}{3}$ .

$\frac{1}{3}$  of 165 means  $165 \div 3$ .

$$\begin{array}{r} 055 \\ 3 \overline{) 165} \end{array}$$

so 55 adults.

b) 165 in total

$\frac{2}{3}$  are children.

$$\frac{1}{3} = 55 \quad \text{so} \quad \frac{2}{3} = 55 \times 2 = 110.$$

$\frac{3}{5}$  of 110 children

$\frac{1}{5}$  of 110 is  $110 \div 5$ .

$$\begin{array}{r} 022 \\ 5 \overline{) 110} \end{array}$$

$\frac{3}{5}$  of 110 is  $22 \times 3 = 66$

c)  $\frac{7}{10}$  of 110 children.

$$\frac{1}{10} = 110 \div 10 = 11.$$

$\frac{7}{10} = 77$  have an apple.

$$110 - 77 = 33$$

so 33 do not have an apple.

6.  $\frac{3}{4}$  of 80  $\rightarrow \frac{1}{4} = 20$  so  $\frac{3}{4} = 60$ .

$\frac{3}{8}$  of 160  $\rightarrow \frac{1}{8} = 20$  so  $\frac{3}{8} = 60$

$\frac{2}{3}$  of 90  $\rightarrow \frac{1}{3} = 30$  so  $\frac{2}{3} = 60$

$\frac{3}{4}$  of 100  $\rightarrow \frac{1}{4} = 25$  so  $\frac{3}{4} = 75$ .

I would say this one as it gives a different answer to the others.

7. There are 20 pictures of ice cream representing 320 children.

a) Mint choc chip = 7 pictures of ice cream.

So I need to find  $\frac{7}{20}$  of 320.

$\frac{1}{20}$  of 320 =  $320 \div 20 = 16$

$\frac{7}{20} = 16 \times 7$ .

$$\begin{array}{r} 16 \\ \times 7 \\ \hline 112 \\ \hline \end{array}$$

so 112 children chose mint choc chip.

b) Vanilla = 5 pictures so  $\frac{5}{20} = 5 \times 16 = 80$ .

Chocolate = 3 pictures so  $\frac{3}{20} = 3 \times 16 = 48$

~~80 - 48 = 32~~  $80 - 48 = 32$

So 32 more people chose vanilla than chocolate.