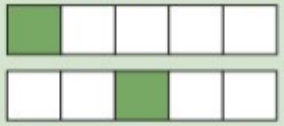
Year 3 Term 3

Unit fractions have a numerator of 1

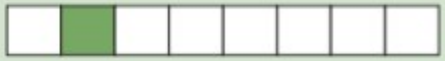
$\frac{1}{5}$



If the denominator is 5 there are 5 equal parts.

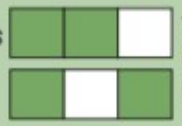
$\frac{1}{8}$

If the denominator is 8 there are 8 equal parts.



Non-unit fractions have a numerator greater than 1

$\frac{2}{3}$ is 2 one thirds



The numerator is 2 so two out of 3 equal parts are shaded.

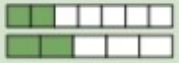
$\frac{4}{7}$

denominator
numerator
unit fraction
non-unit fraction

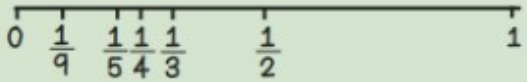
$\frac{4}{7} < \frac{6}{7}$

When the denominators are the same, the larger the numerator, the larger the fraction.

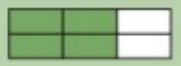
$\frac{2}{7} < \frac{2}{5}$



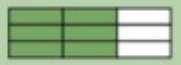
When numerators are the same, the larger the denominator the smaller the fraction.



$\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$

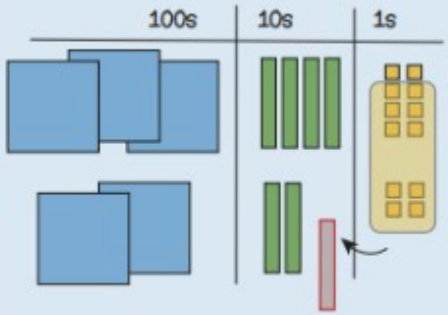


$\frac{4}{6}$ If there are 2 times as many equal parts, then there are 2 times as many shaded parts



$\frac{6}{9}$ If there are 3 times as many equal parts, then there are 3 times as many shaded parts

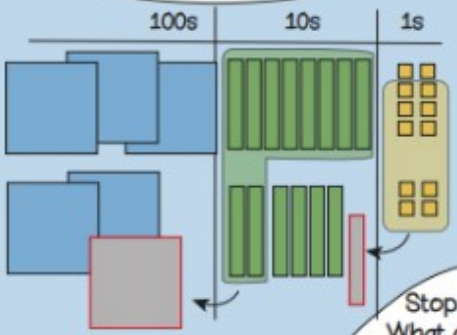
348 + 224
Regrouping the ones



$$\begin{array}{r} 348 \\ +\ 224 \\ \hline 572 \\ \hline \end{array}$$

Regroup the 12 ones into 1 ten and 2 ones

388 + 264
Regroup in multiple columns



$$\begin{array}{r} 388 \\ +\ 264 \\ \hline 652 \\ \hline \end{array}$$

Stop and Look! What do you notice? Where will we regroup or exchange?

regroup
exchange
ones
tens
hundreds

76 + 388
Different numbers of digits

$$\begin{array}{r} 388 \\ +\ 76 \\ \hline 464 \\ \hline \end{array}$$

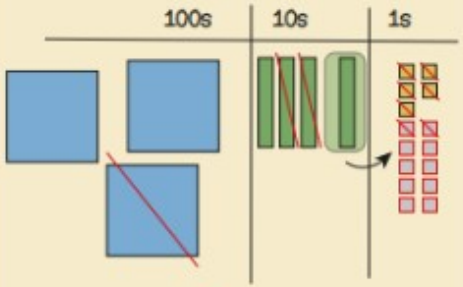
Line up the ones with the ones, the tens with the tens.

388 + 199
348 + 140
348 + 51

In my head?
With jottings?
Formal written method?

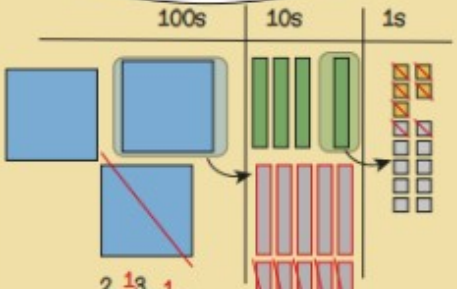
348 – 199
348 – 140
348 – 23
308 – 297

345 – 127
Exchanging tens



$$\begin{array}{r} 3\,^{3}4\,^{1}5 \\ -\ 127 \\ \hline 218 \\ \hline \end{array}$$

345 – 157
Exchanging in multiple columns



$$\begin{array}{r} 2\,^{13}3\,^{1}4\,^{1}5 \\ -\ 157 \\ \hline 188 \\ \hline \end{array}$$

345 – 67
Different numbers of digits

$$\begin{array}{r} 2\,^{13}3\,^{1}4\,^{1}5 \\ -\ 67 \\ \hline 278 \\ \hline \end{array}$$

Line up the ones with the ones, the tens with the tens.

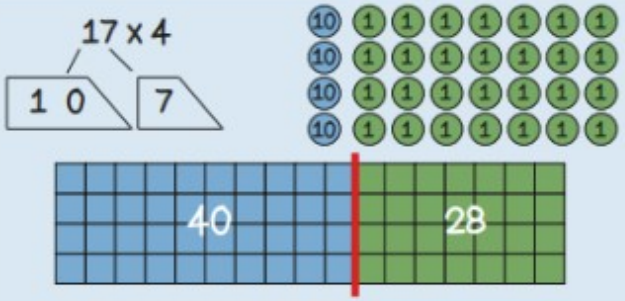
20 is ten times greater than 2
30 multiplied by ten is 300

60 x 4 = ?
If I know 6 x 4 = 24
then I know 60 x 4 = 240
because it is ten times greater

6 x 4 = 24
60 x 4 = 240
6 x 40 = 240

6 x 10 x 4
= 24 x 10

17 x 4



multiplier
product
partition
dividend
divisor
remainder

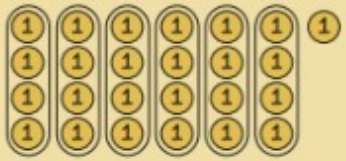
	10	7
4	40	28

17
x 4
68
2

30 is ten times smaller than 300
20 divided by ten is 2

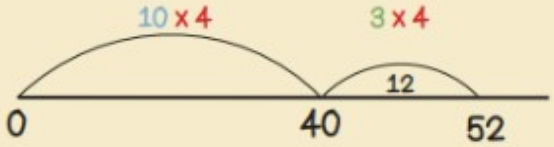
If I know 24 ÷ 4 = 6
then I know 240 ÷ 4 = 60

If I know 24 ÷ 4 = 6
then I know
25 ÷ 4 = 6 r1

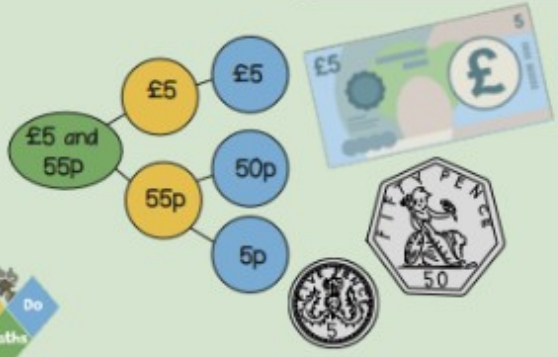


52 ÷ 4
= 40 ÷ 4 + 12 ÷ 4
= 10 + 3
= 13

I know that 40 is 10 groups of 4



Year 3 Term 4

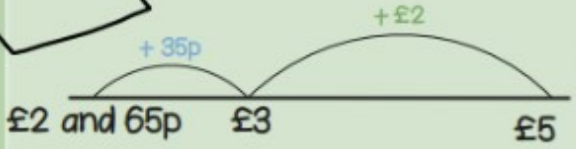


50 + 20 + 20 + 20 + 10 = 120p
120p = £1 and 20p

spend
pounds
pence
change

£5 subtract £2 and 65p
= £2 and 35p

5 0 0
- 2 6 5



Use an efficient method!

I have £5 and spend £2 and 65p
How much change? £2 and 35p