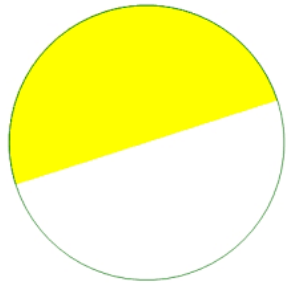
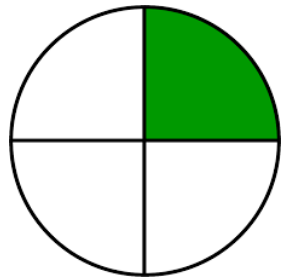


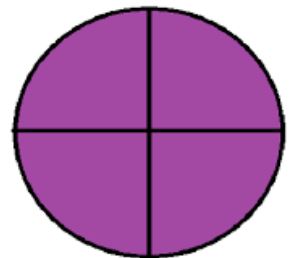
Percentages, Fractions and Decimals



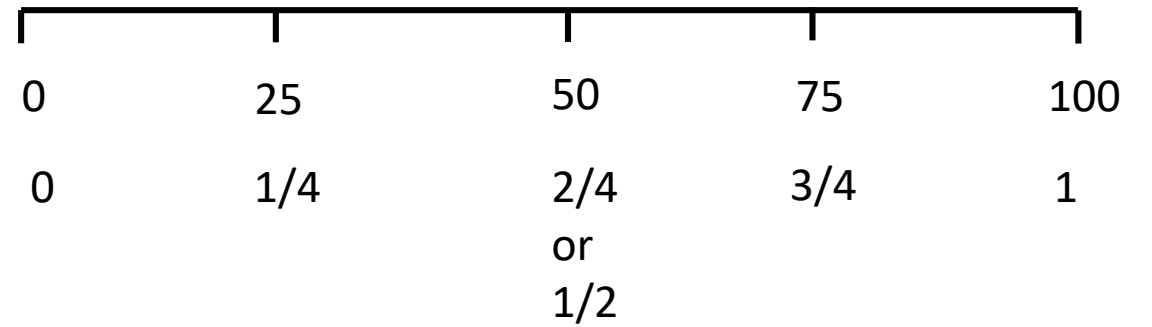
$\frac{1}{2} = 50\%$

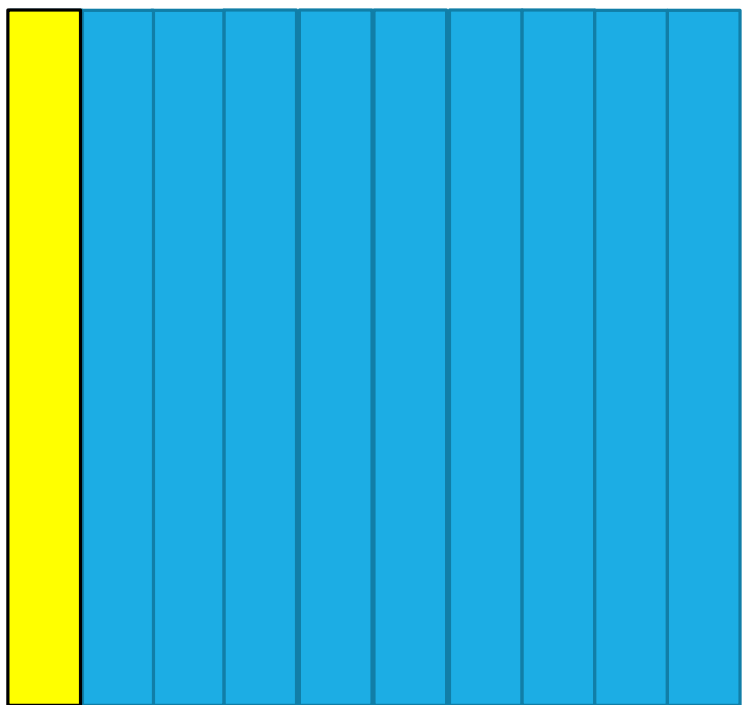


$\frac{1}{4} = 25\%$

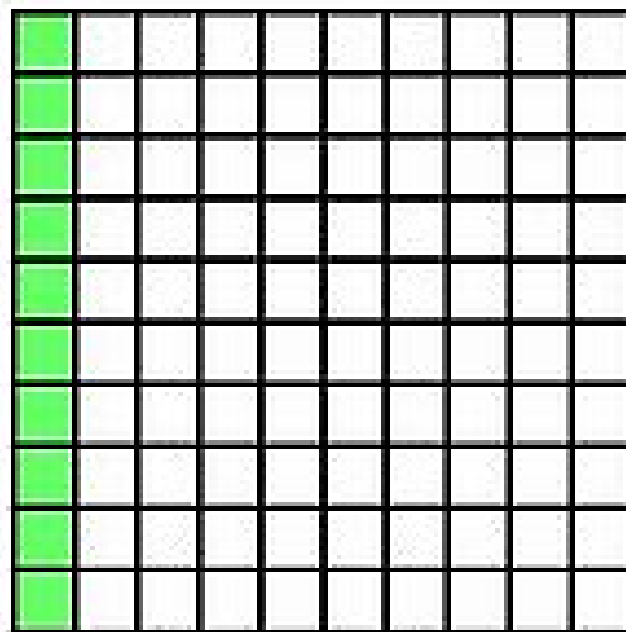


$1 = 100\%$





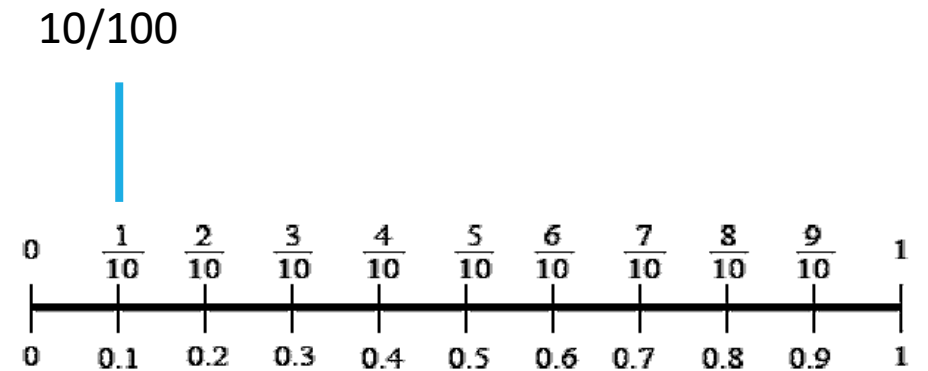
$$1/10 = 10\%$$

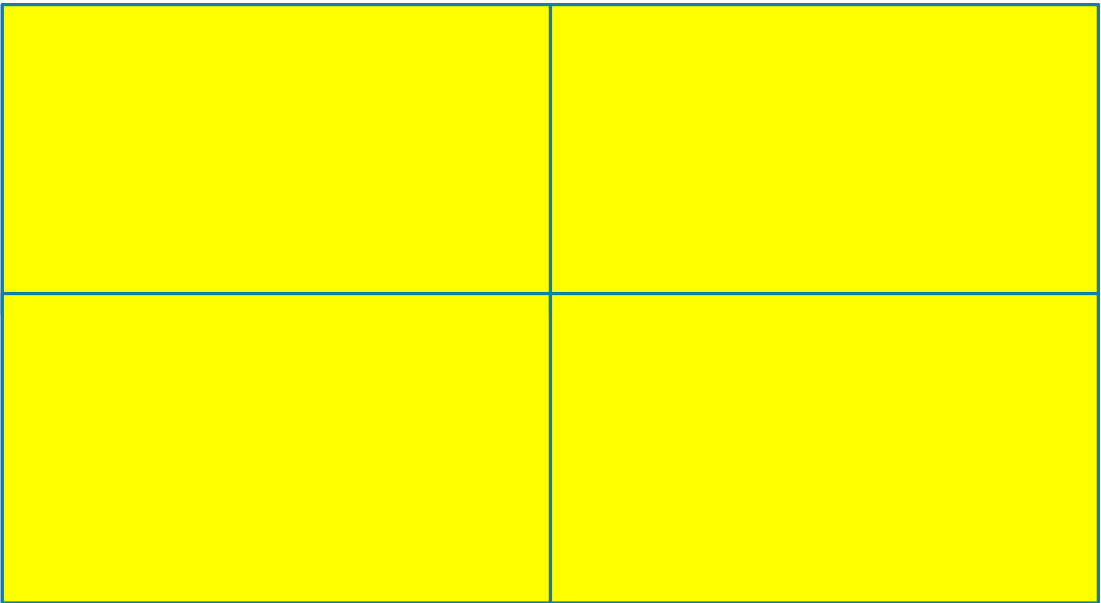


$$1/10 = 10/100 = 10\%$$

Percentages, Fractions and Decimals

	Ones	.	Tenths	Hundredths	
1% = $1/100 =$	0	.	0	1	
10% = $10/100 =$	0	.	1	0	<u>or 0.1</u>
25% = $25/100$ or $\frac{1}{4} =$	0	.	2	5	
30% = $30/100 =$	0	.	3	0	<u>or 0.3</u>





Finding percentages of amounts

A good way to find percentages is to use our knowledge of the connection between fractions and percentages.

Our start number is 6120. It is 100%

We want to find out 50% of 6120.

$$50\% = \frac{1}{2}$$

3 0 6 0

$$2 \overline{) 6120}$$

Finding percentages of amounts

A good way to find percentages is to use our knowledge of the connection between fractions and percentages.

Our start number is 6120. It is 100%

We want to find out 25% of 6120.

$$25\% = \frac{1}{4}$$

$$4 \overline{) 6120}$$

You can use this to help you find other percentages of amounts....

60% of 6120

- Find 10% = 612 (ten times smaller)
- Times your answer by 6 = $612 \times 6 = 3672$
- 60% of 6120 = 3672

If you wanted to work out 15%, you could break it down and then add it together like you would do with partitioning...

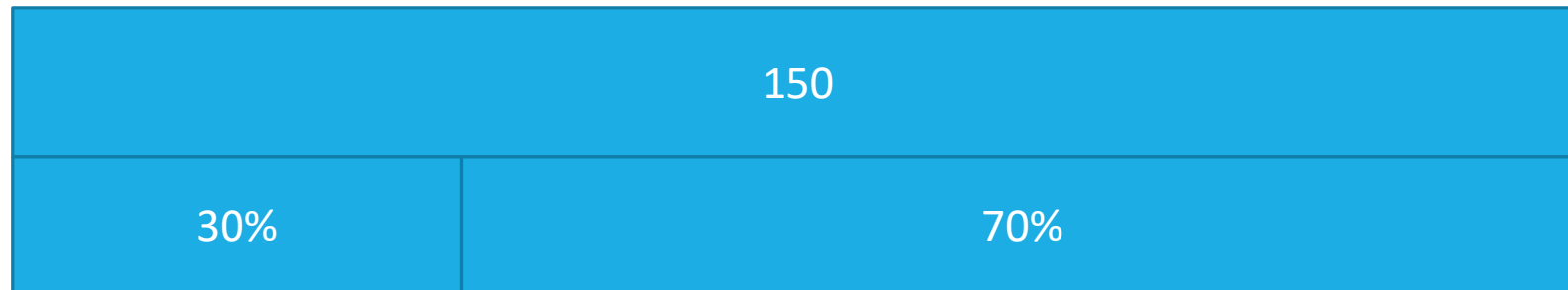
15% of 6120=

10%=612

5%= 612 \div 2= 306

15%= 612 + 306= 918

30% of 150.



Now we know 30% of 150 what would 70% of 150 be?

Mrs Harper's husband bought her two coats in the Marks and Spencer sale online. Originally, the two coats cost £620 but Mr Harper paid £124. How much discount did Mr Harper receive?



10%= £62
20%= £124



Success Criteria

- Read the problem carefully
- Underline key information
- Choose the correct operation
- Solve the problem
- Check your answer