

1. Clare reads 150 pages of her 500 page book.

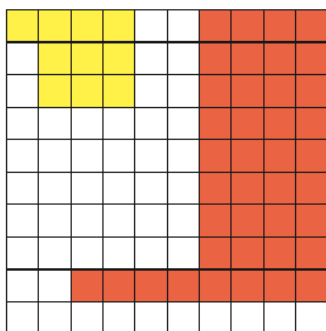
a) How many more pages does she have to read to finish the book? 350 pages

b) Can she write this as a percentage out of 100? Explain why.

Yes, write it as a fraction and then divide by 100 to get the %

c) Work out  $\frac{350}{500}$  as a percentage out of 100.  $\frac{350}{500} = \frac{70}{100} = 70\%$

2. Sam says that the percentage of yellow squares is 5x the percentage of red squares. Is he correct? Explain why



False : Yellow squares =  $\frac{10}{100} = 10\%$       Orange squares =  $\frac{40}{100} = 40\%$

The percentage of yellow squares is 4x the percentage of red squares.

3. True or false?

You can write 0.5% as a decimal. Explain your answer.

Yes, write 0.5 as a fraction over 100 and divide it by 100 to get the decimal.

$$\frac{0.5}{100} = 0.005$$

4. Jane attempts 100 maths questions. She gets 75 answers correct.

She says "I got 75% , which is the same as  $\frac{3}{4}$  "

Is she right? Explain why. Yes, Jane is right.  $\frac{3}{4} = \frac{75}{100} = 75\%$