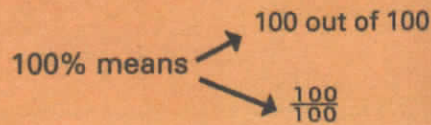
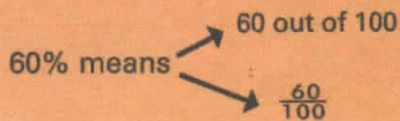
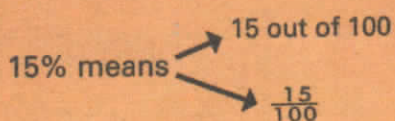
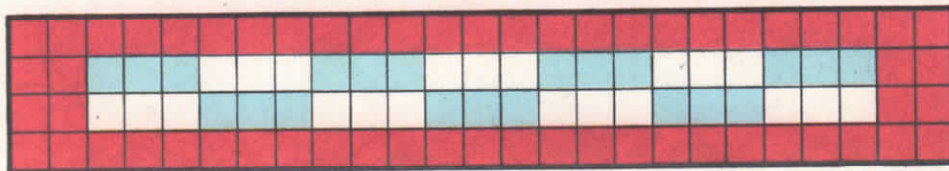


Finding percentages

Percentages are fractions with denominator 100.

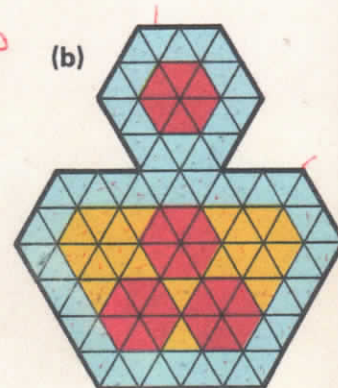
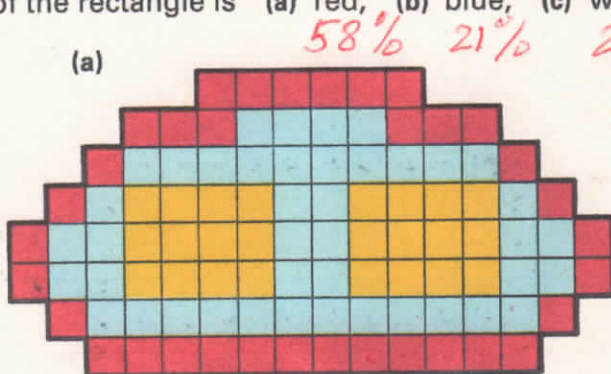


- 1 This rectangle is divided into 100 equal parts.



What percentage of the rectangle is (a) red, (b) blue, (c) white?

- 2 Each of these diagrams is divided into 100 equal parts.

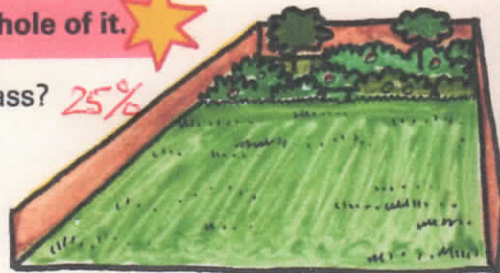


For each diagram find the percentage coloured red, blue, and yellow.

- 3 Do Workbook Page 37, question 1.

100% of something means the whole of it.

- 4 (a) 75% of this garden is grass. What percentage is not grass? *25%*
 (b) 20% of the apple crop is not fit for sale. What percentage of the crop is fit for sale? *80%*
 (c) Tom made compost using peat and sand. His compost was 60% peat. What percentage was sand? *40%*



$20\% = \frac{20}{100} = \frac{1}{5}$

- 5 In the same way, write as a fraction: (a) 10%, (b) 50%, (c) 25%, (d) 1%, (e) 75%, (f) 100%.

Remember

$1\% = \frac{1}{100}$ $10\% = \frac{1}{10}$ $20\% = \frac{1}{5}$ $25\% = \frac{1}{4}$ $50\% = \frac{1}{2}$ $75\% = \frac{3}{4}$

20% of 15 = $\frac{1}{5}$ of 15 = 3

25% of 32 = $\frac{1}{4}$ of 32 = 8

- 6 Find: (a) 10% of 60, (b) 50% of 18, (c) 20% of 45, (d) 25% of 28, (e) 1% of 200.

- 7 Which is greater, 25% of £5.24 or 20% of £6.50?

6 9 9 7 2
~~£1.31~~ ~~£1.30~~ so 25% of £5.24

Do Workbook Page 37, questions 3 and 4.