'out of 100' discount convert compare order

Knowledge Organiser Percentages

Key Vocabulary

per cent (%) =

percentage

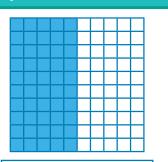
equivalent fraction

equivalent decimal

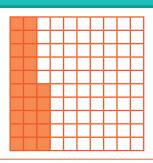
the whole



Equivalent Fractions, Decimals and Percentages

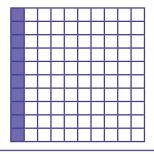


$$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$$

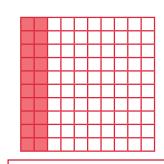


$$\frac{25}{100} = \frac{1}{4} = 0.25 = 25\%$$

 $\frac{1}{100}$ = 0.01 = 1%



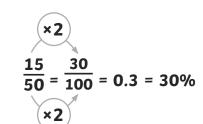
$$\frac{10}{100} = \frac{1}{10} = 0.1 = 10\%$$

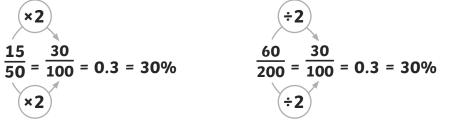


$$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$$

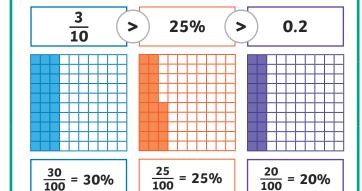
Fractions to Percentages

 $\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$

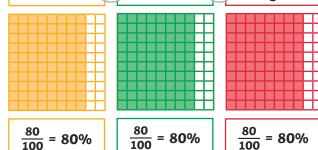




Order Fractions, Decimals and Percentages



80% = 0.8 =
$$\frac{4}{5}$$



$$\frac{0}{0} = 80\%$$
 $\frac{80}{100} = 80\%$

10% =

20

Finding a Percentage of an Amount

 $50\% = \frac{1}{2} \text{ so we can divide by 2}$

$$10\% = \frac{1}{10} \text{ so we can divide by } 10$$

25% = $\frac{1}{4}$ so we can divide by 4

100% =

200

100

25% =

50

÷2

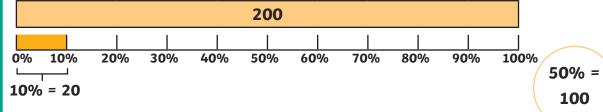
1% = $\frac{1}{100}$ so we can divide by 100

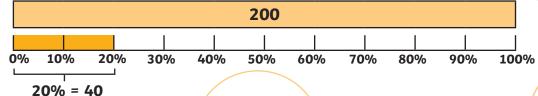
1% = 2

÷10

5% =

10





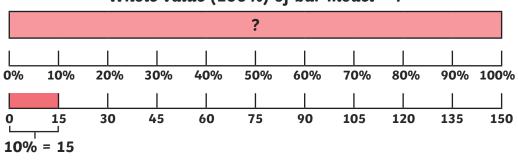


$$35\% = 30\% + 5\%$$
 $60 + 10 = 70$
so 35% of $200 = 70$





Whole value (100%) of bar model = ?



We know 10% = 15 $10\% \times 10 = 100\%$ (the whole)

so $15 \times 10 = 150$