

25 April 2023
Percentage increases and decreases

20% of 15800

27 April 2023
Finding Percentages

Writing a number as a % of another

Make a fraction $\times 100$

Eg 11.3

$$\text{a) } \frac{28}{40} \times 100 \quad \frac{28}{40} \times \frac{100}{1} = \frac{2800}{40}$$

$$2800 \div 40 = 70\%$$

$$\text{b) } \frac{157}{364} \times 100 = 43\% \text{ (calc)}$$

$$\text{c) } 427 - 364 = 63$$

$$\frac{63}{364} \times 100 = 17\%$$

Pg 115 Ex 11.3

$$\% \text{ change} = \frac{\text{Difference}}{\text{original}} \times 100$$

$$= \frac{\text{New} - \text{old}}{\text{Old}} \times 100$$

$$\frac{1341 - 1145}{1145} \times 100$$

28 April 2023
Using Percentages.



Neer naaaa!
Neer wooor!

Eg 11.4

$$\frac{103}{247} \times 100 = 41.7\%$$

$$\frac{305}{527} \times 100 = 57.8\%$$

Football match had larger proportion

Pg 117 Ex 11.4

NC

$$\text{2a) } \frac{141}{141 + 291} \times 100$$

$$\text{3a) } \frac{\text{Diff}}{\text{Orig}} \times 100 = \frac{549 - 449}{549} \times 100$$

$$\frac{100}{549} \times 100$$

$$100 \div 549 = \underline{\quad} \times 100 = 18.2\%$$

$$\text{5a) } \overset{B}{28} + \overset{G}{23} = 51$$

$$\frac{28}{51} \times 100 = 55\%$$

$$100 - 55 = 45\%$$

$$\text{5b. } \overset{B}{35} + \overset{G}{37} = 72$$

$$\frac{35}{72} \times 100$$

$$48.6$$

$$\frac{37}{72} \times 100$$

$$51.4\%$$

$$\frac{37}{72} \times 100 = 51\%$$