

OLYMPIAD · EVERYDAY MATHEMATICS · OLYMPIAD PREPARATION · FORMULA BANK

Chapter 10: Percentage

Every formula and result of the chapter on one sheet

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|---|-------------------------------|--|
| 1 | $p\%$ of N | $\frac{p}{100} \times N$ |
| 2 | Percentage change | $\frac{\text{change}}{\text{original}} \times 100$ |
| 3 | After an increase of $p\%$ | $N \left(1 + \frac{p}{100} \right)$ |
| 4 | After a decrease of $p\%$ | $N \left(1 - \frac{p}{100} \right)$ |
| 5 | Successive changes | $a + b + \frac{ab}{100}$ |
| 6 | $x\%$ of y and $y\%$ of x | are equal |