O Level E Maths   Tutorial 3: Percentage

Syllabus :
• expressing one quantity as a percentage of another
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1. Mary has $10 pocket money. She spent $3 on lunch. What percentage of her pocket money did she spend on lunch.

• comparing two quantities by percentage
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2.   John's weight is 45 kg. Tom's weight is 40 kg. What is Tom's weight as a percentage of John's weight?

• percentages greater than 100%
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3. Mary's savings in 2000 was $150.   By 2004, it has increased to $200. Calculate her savings in 2004 as a percentage of her savings in 2000.

• increasing/decreasing a quantity by a given percentage
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4. Mr Tan's height was 160 cm 10 years ago.   When he measured his height now, it is 158 cm. Find the percentage decrease in his height.

• reverse percentages *
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 * Reverse percentages is a way of working backwards on a percentage problem to find an original amount.

5.   A tree's height increased by 50 cm after 2 years. This is a 10% increase of the height 10 years ago. Find it's height 10 years ago.