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| Percentages | I can solve problems by carrying out calculations with a wide range of fractions, decimal fractions and percentages, using my answers to make comparisons and informed choices for real-life situations.MNU 3-07a  |
| **Creating** | Heart rate has a huge impact on the effectiveness of exercise. Imagine that you are giving advice to people about exercise. Design a user-friendly guide which will show people how to calculate their ideal heart rate during exercise. |
| **Evaluating** | For an adult male, 100 millilitres of Coca Cola contains 10% of the recommended daily intake of sugar, while 100 grams of Cadbury’s Dairy Milk contains 50%. On top of normal meals, Donnie drinks 2 cans of Coca Cola and eats 1 bar of Dairy Milk each day. Given that 1 can of Coca Cola = 330ml and a standard Dairy Milk weighs 42 grams, decide whether Donnie is risking his health in the long term. Justify your answer. |
| **Analysing** | A large watermelon weighs 25 kg and 92% of its weight is water. The watermelon is left to stand in the sun, and some of the water evaporates so that now only 90% of its weight is water. What does it now weigh? |
| **Applying** | 36% of the supporters at a football match are female.$33\frac{1}{3}$% of the females and $12\frac{1}{2}$% of the males paid for their ticket at the turnstile. What percentage of the supporters paid for their ticket at the turnstile? |
| **Understanding** | What is 25% of 50% of 75% of £64? How many ways can you find to do it? |
| **Remembering** | In a 30 gram serving of Kellogg’s Cornflakes, salt makes up 7%. What is the weight of salt (in grams) in a 30 gram serving of Kellogg’s Cornflakes? |