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| **Core Knowledge Map** |
| Subject: **Mathematics** | Year: 10 | Term: Spring 2 |
| What are we learning? |
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| How will I be assessed  |
| Retrieval Tasks, Exit tickets, end of half-term test. |
| Big questions: |
| Can you….?* Write $\frac{2}{7}$ as a decimal (no calculator)
* Calculate $\frac{3}{5}$ + 1$\frac{2}{3}$ x 3 $\frac{3}{8}$
* What is the overall % change if an amount is increased by 30% then reduced by 20%
* Calculate the amount of simple interest earned on £2500 for 5 years at 3% per annum.
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| How does this build on previous learning? | How will this link to my future learning? |
| * Four operations with fractions and with mixed numbers
* Finding percentages of amounts
* Using multipliers for percentage change
* Simple Interest and Compound Interest.
* Finding percentage change
* Reverse percentage
 | * GCSE synoptic and multi-step problem solving questions.
* Percentages will feature in most careers and day to day life.
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| Core knowledge: | Key vocabulary: |
| **Simple interest** is an interest charge that borrowers pay lenders for a loan. It is calculated using the principal only and does not include compounding interest.  | Mixed numberImproper fractionMultiplierCompound interestRecurring |
| Need more help? Use the Sparx Independent Learning Codes above |