**Fractions Decimals and Percentages (F)**

Pre-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Question** | **Objective** | **RAG** |
| 1 | Convert between fractions, decimals and percentages |  |
| 2 | Calculate (+, -, x, ÷) with fractions |  |
| 3 | Calculate a fraction of an amount |  |
| 4 | Calculate a percentage of an amount |  |
| 5 | Increase and decrease by a given percentage |  |
| 6 | Calculate with compound interest and depreciation |  |

**1.** Write 0.8 as a percentage.

........................................................... %

**2**. (a) Work out 

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(b) Work out 

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**3**. Sam has £480

He spends ¼ of the £480

Work out how much money Sam has left.

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**4**. There are 210 counters in a bag. 30% of these counters are red.

Work out the number of red counters in the bag.

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**5**. A ticket to a theme park costs £35 plus 20% VAT.

Work out the total cost of the ticket.

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**6**. Helen invested £6000 for *n* years in a savings account.   
She got 3% compound interest each year.

At the end of *n* years Helen had £7379.24 in her savings account.

Work out the value of *n*.   
You must show your working.

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[Glue here]