**Fractions Decimals and Percentages (F)**

Pre-Intervention Assessment

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

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

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

|  |  |  |
| --- | --- | --- |
| **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 

...........................................................

(b) Work out 

...........................................................

**3**. Sam has £480

He spends ¼ of the £480

Work out how much money Sam has left.

      ...........................................................

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

Work out the number of red counters in the bag.

 ...........................................................

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

Work out the total cost of the ticket.

...........................................................

**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.

...........................................................

[Glue here]