**Woldgate College Maths Department**

Name:

**Year 10 Homework Block E (Percentages, Fractions and Decimals)** Date Due:

No Calculators!



Objectives:

• Convert between percentages, fractions and decimals.

• Order percentages, fractions and decimals in order of size.

• Work out fractions and percentages of amounts.

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|  | 1 a) Work out 75% of £92. b) Work out 35% of £40.  = (1 Mark) = (1 Mark) |
|  | 2)   |  |  |  | | --- | --- | --- | | 60% of £40 |  | of £55 |     Which is the larger amount? You **must** show your working.  .............................................................................................................................................  .............................................................................................................................................  .............................................................................................................................................  .............................................................................................................................................  Answer .........................................................................  **(Total 4 marks)** |
|  | 3)  Which of these fractions are equivalent to ½ ? Circle your answers.  3 4 6 7 9  4 8 10 14 20 (2 Marks) |
|  | 4) Change these decimals into fractions. Write them in their simplest form.  a) 0.34 = b) 0.025 = c) 3.1 =  (1 Mark) (1 Mark) (1 Mark) |
|  | 5) Write the following percentages as i) decimals and ii) fractions.  a) 50% b) 29% c) 125% d) 3%  i) = (1 Mark) i) = (1 Mark) i) = (1 Mark) i) = (1 Mark)  ii) = (1 Mark) ii) = (1 Mark) ii) = (1 Mark) ii) = (1 Mark) |
|  | 6) Put these fractions in order of size. Start with the smallest. Please show your working out.  2 1 7 3 2  5 2 8 4 10  (3 Marks) |
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| Total: / 24 Percentage: % |
| Target: |
| Purple Pen box |