**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 94 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 25 2 8 4 10 (3 Marks) |
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| Total: / 24 Percentage: % |
| Target: |
| Purple Pen box |