**Year 10 Assessment 3 Revision Homework Foundation**

**Name: ……………………………………… Teacher: ………………………………**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fractions** | **/10** | **Angles** | **/15** | **Graphs** | **/10** | **Statistics** | **/10** |

|  |  |  |
| --- | --- | --- |
|  | **Fractions** |  |
| 1. | Write $\frac{24}{40}$ in its simplest form………………… | **(1)** |
| 2. | Convert $3\frac{2}{5}$ into an improper fraction………………… | **(1)** |
| 3. | Find:a) $\frac{3}{10}of 60$ = …………………… b) $\frac{2}{7}of 28$ = …………………… | **(2)** |
| 4. | Calculate:a) $\frac{3}{8}+\frac{1}{4}=$ b) $\frac{5}{6}-\frac{7}{9}=$ ……………………………………… ……………………………………… ……………………………………… ……………………………………… ……………………………………… ………………………………………c) $\frac{3}{5}×\frac{2}{7}=$ d) $\frac{3}{4}÷\frac{5}{7}=$ ……………………………………… ……………………………………… ……………………………………… ……………………………………… ……………………………………… ……………………………………… | **(4)****(3)** |
| 5. | Order the following from smallest to biggest:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $$\frac{3}{5}$$ | 0.67 | 65% | 0.7 | $$\frac{3}{4}$$ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ………… | …………… | ………… | ………… | ………… |

 | **(2)** |
| 6. | Use short division to write $\frac{4}{9}$ as a decimal……………………… | **(2)** |
|  | **TOTAL** | **/15** |

|  |  |  |
| --- | --- | --- |
|  | **Angles** |  |
| 1. | Calculate the missing angles:

|  |  |  |
| --- | --- | --- |
| *x =* …………⁰ |  *y =* …………⁰ | *a =* …………⁰ *b=* …………⁰ |

 | **(4)** |
| 2. | Calcuate the missing angles: *l =* …………⁰ *m =* …………⁰ *n =* …………⁰ | **(3)** |
| 3. | Name the following shapes: …………………………………………… …………………………………………… | **(2)** |
| 4. | Calculate the missing angle in the quadrilateral:55⁰70⁰*x* 105⁰ *x =* …………⁰ | **(2)** |
| 5. | B is 3 cm from A on a bearing of 125⁰. Accurately show where B is A ● | **(2)** |
| 6. | The bearing of B from A is 055⁰Calculate the bearing of A from B:  ………………………… | **(2)** |
|  | **TOTAL** | **/15** |

Calc

|  |  |  |
| --- | --- | --- |
|  | **Graphs** |  |
| **1.** | Circle the equations which are parallel:$y=2x-3$ $y=3-2x$ $y=4x-3$ $y=2x+4$ | **(1)** |
| **2.** | Identify the equations of the Lines A and B Line A : ………………………………………… Line B : …………………………………………Line ALine B | **(2)** |
| **3.** | Find the midpoint and the gradient o the line AB Midpoint ( ………… , …………)Gradient ………………………… | **(4)** |
| **5.** | a) Complete the table of values

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *x* | –1 | 0 | 1 | 2 | 3 | 4 |
| *y* |  | –3 | –1 |  |  |  |

 for  *y* = 2*x* – 3b) Use your table to plot the graph of the line *y =* 2*x* – 3 | **(3)** |
|  | **TOTAL** | **/10** |

|  |  |  |
| --- | --- | --- |
|  | **Statistics** |  |
| **1.** | Leanne asked each of her friends which one country they would most like to visit. Here are her results:USA France Italy USA France Spain Italy AustraliaUSA Spain France Italy Italy France Italy USAAustralia Spain USA France Complete the frequency table.

|  |  |  |
| --- | --- | --- |
| **Country** | **Tally** | **Frequency** |
| Australia |  |  |
| France |  |  |
| Italy |  |  |
| Spain |  |  |
| USA |  |  |

 | **(2)** |
| **2.** | The bar chart shows how everyone in Sophie’s class travelled to school. 4 students travel to school by car. 7 students travel to school by bus. Complete Sophie’s bar chart. Work out the total number of students in Sophie’s Class ……………… | **(2)****(2)** |
| **3.** | The table gives information about the medals won by Austria in the 2002

|  |  |  |
| --- | --- | --- |
| **Medal** | **Frequency** |  |
| Gold | 3 |  |
| Silver | 4 |  |
| Bronze | 11 |  |
|  |  |  |

Draw an accurate pie chart to show this information. | **(4)** |
|  | **TOTAL** | **/10** |