## Homework 16

Hand in:

Do not use a calculator for questions 1-6. You must show all your working out where the question number is underlined. For these questions stating an answer without showing a written method will not score a mark.

| 1. Four fifths of an amount <br> is 32. What is the <br> amount? | 2. Calculate the product of <br> 1.6 and 0.7. |
| :--- | :--- |
| 3. Expand the brackets <br> and simplify; <br> $2(a+5)+3(a-2)$ | 4. 25 out of 90 people <br> prefer tea. What angle <br> should represent them on <br> a pie chart? |


| 5. Write 0.345 as a fraction <br> in its simplest form | 6. Write these numbers in <br> ascending order. <br> $28 \%, 0.028, \frac{2}{5}$ |
| :--- | :--- |
| 7. Increase 450 by $12 \%$ | 8. Draw the mirror line on <br> the diagram. |

## Gold:

| Height $(\mathrm{cm})$ | Frequency |
| :--- | :--- |
| $120<h \leq 130$ | 7 |
| $130<h \leq 140$ | 12 |
| $140<h \leq 150$ | 18 |
| $150<h \leq 160$ | 8 |
| $160<h \leq 170$ | 2 |

What type of data is shown in the frequency table above?

Draw a bar chart to show this data.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Silver:

Fill in the gaps in the table and the bar chart;

| Weight of sweets (grams) | Frequency |
| :--- | :--- |
| 1 to 5 | 3 |
| 6 to 10 |  |
| 11 to 15 | 6 |
|  |  |

## Weight of Sweets



## Bronze:

Complete a frequency table using the data below;

| Red | Green | Yellow | Blue | Blue | Red |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Yellow | Blue | Red | Green | Green | Blue |
| Red | Green | Blue | Red | Red | yellow |


|  |  |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

