## Homework Year 6

3. In a survey, 120 children were asked to give their favourite genre of film.

a) What fraction of the children chose action as their favourite genre? Give your answer as a fraction in its simplest form.
b) How many children chose action as their favourite genre?
c) How many more children chose comedy than science fiction as their favourite genre?
$\qquad$
4. Use the line graph to answer the following questions.
a) What was the difference in height between Cheng's sunflower and Grace's sunflower in week 2?
b) In which week was there the least difference in height between the sunflowers?
c) Between week 4 and week 6 whose sunflower grew the most?
5. Circle the three numbers that have a mean average of 5 . 14 7

5
7. This conversion chart can be used to convert between miles and kilometres (km).


Use the chart to help you order the measurements below from smallest to largest.

| 70 km | 50 miles | 30 miles | 40 km |
| :--- | :---: | :---: | :---: |
| $\square$ $\square$ | $\square$ | $\square$ |  |
| smallest |  |  | largest |

8. 50 year 5 children and 60 year 6 children were asked how they travelled to school. The results are shown in these pie charts.

a) Which class has the highest number of children who walk to school? Explain how you know.
$\qquad$
b) How many children take the car to school in year 5?
$\qquad$
c) How many children cycle to school in year 6?
9. Aman measured the wind speed outside his school and recorded the results in a line graph.


Days of the Week
a) Calculate the mean average wind speed over the 5 days. mph
b) Would knowing the mean average of Aman's results help you to accurately predict what the wind speed would be on any given day in the following week? Explain your answer fully.
$\qquad$
$\qquad$

