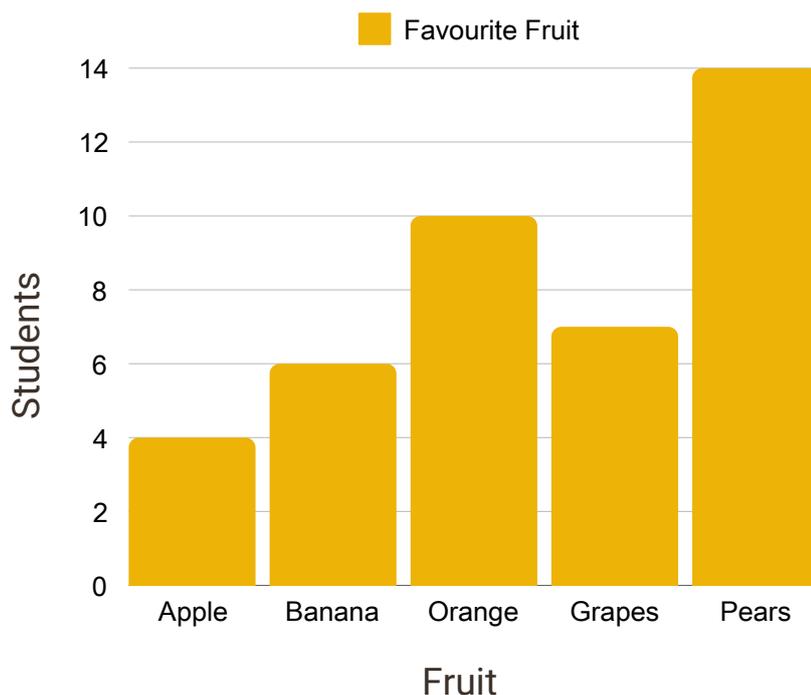Name: _____

BAR CHARTS AND LINE GRAPHS

Use the information in the bar chart below to answer the following questions:

1. Which fruit is the most popular? **Pears**

2. How many students chose grapes as their favourite fruit? **7**

3. What is the total number of students who prefer bananas and pears combined? **20**

4. What is the difference in popularity between oranges and apples? **$10-4=6$**

5. How many students participated in the survey? **$4+6+10+7+14=41$**

6. If 5 more students chose oranges, how would its ranking change? **$10+5=15$**
It would become the most popular.

7. If the data were to change so that apples were twice as popular, how many students would now prefer apples? **$4 \times 2 = 8$**
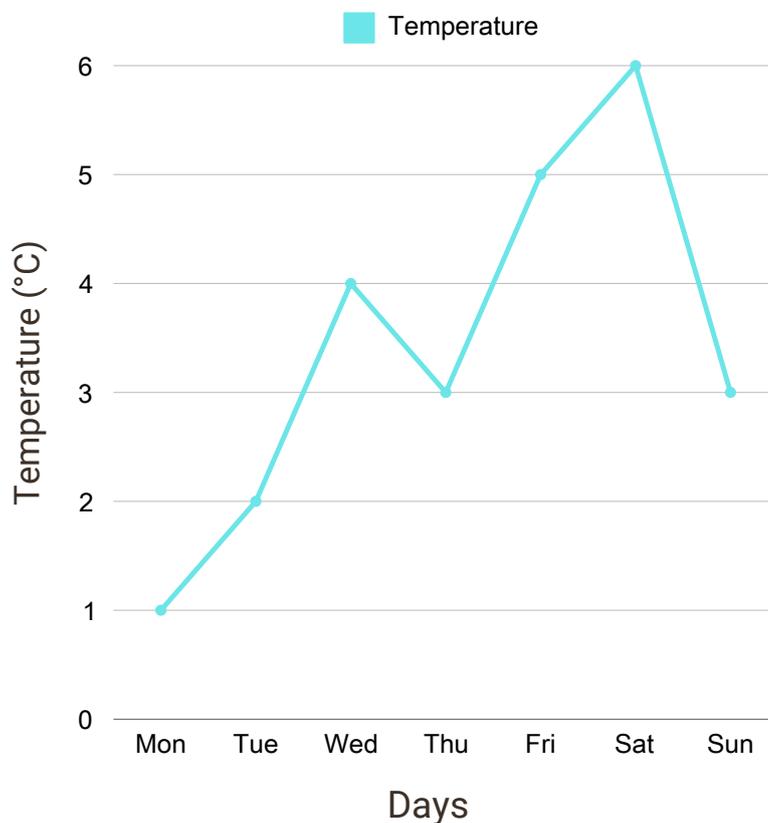

Favourite Fruit (bar chart)
Y-axis: Students (0 to 14)
X-axis: Fruit — Apple (4), Banana (6), Orange (10), Grapes (7), Pears (14)

BAR CHARTS AND LINE GRAPHS

The line graph below shows the temperature recorded over a week. Use the information in the graph to answer the questions below.

1. What was the temperature on Tuesday? *2°C*

2. What was the temperature on Saturday? *6°C*

3. On which day was the **highest** temperature recorded? *Saturday.*

4. On which day was the **lowest** temperature recorded? *Monday.*

5. How much did the temperature **increase** from **Monday** to **Wednesday**? *3°C*

6. What is the **difference** in temperature between **Saturday** and **Sunday**? *3°C*

7. On which **day** did the temperature **drop the most** compared to the previous day? *Sunday*

8. If the temperature on Monday of the following week **increased** by **5°C** compared to Sunday, what would the new temperature be? *8°C*

9. Calculate the **average** (mean) temperature for the **weekdays**.

① 1+2+4+3+5 =15°C

② $\frac{15}{5}$ = 3°C

Ans = 3°C