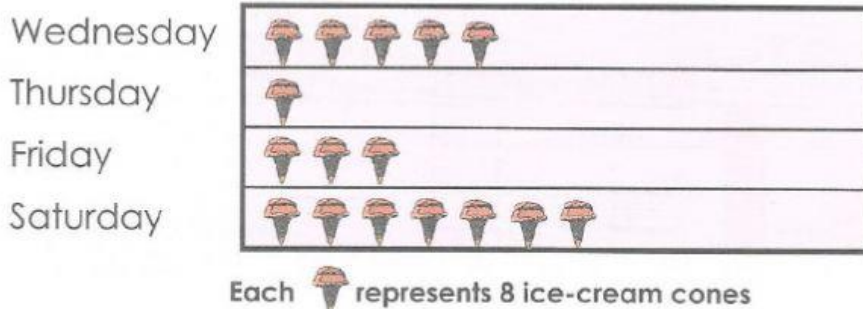


## Graphs

Graphs are used to represent information or data which has been collected. We can use a **picture**, **line**, **bar** or **circle** to show these same information.

**Pictograph** uses pictures to show numerical facts. Each picture or symbol represents a certain number.

















### Pictograph Ice-cream Cones Sold



#### Exercise 1

Use the pictograph below to answer the following questions.

#### Choir

	Number of singers
Soprano	    
Alto	  
Tenor	  
Bass	    

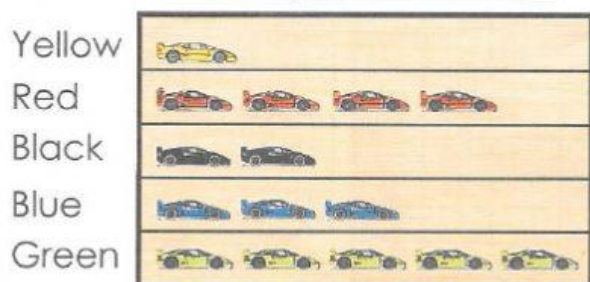
Key:  represents 2 singers

- (1) How many singers in the choir sing bass? \_\_\_\_\_
- (2) How many sopranos are in the choir? \_\_\_\_\_
- (3) How many voices are there between the altos and the tenors? \_\_\_\_\_
- (4) How many voices are in the choir altogether? \_\_\_\_\_
- (5) What is the ratio of bass to soprano in its simplest form? \_\_\_\_\_

#### Exercise 2

Look at the pictograph below and answer the questions.

#### Jimmy's Car Mart

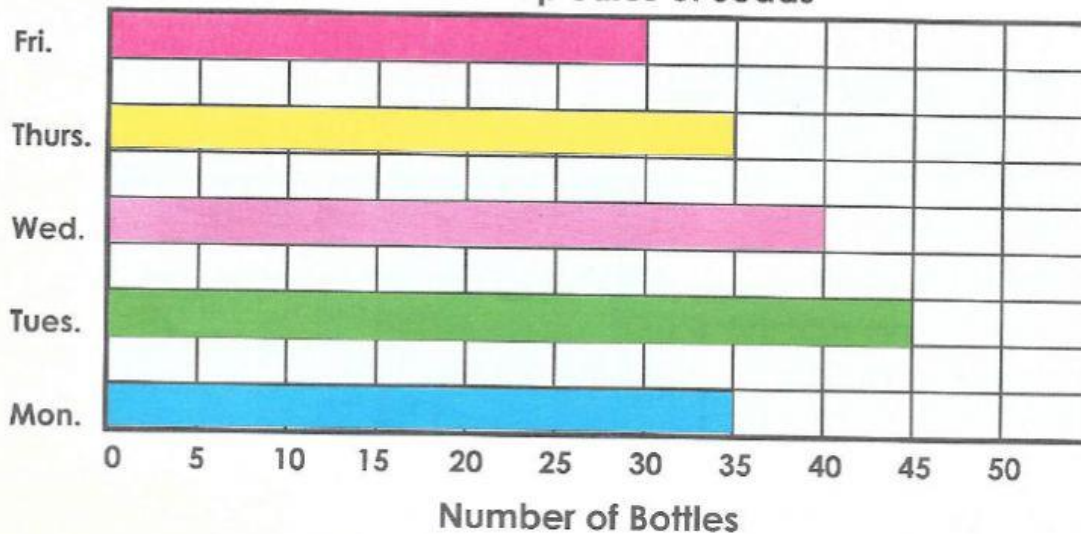


Each  represents 5 cars

- (1) How many blue cars are there in the car mart? \_\_\_\_\_
- (2) How many more red cars are there than black cars? \_\_\_\_\_
- (3) How many cars are there altogether? \_\_\_\_\_
- (4) What is the percentage of the yellow cars to the green cars? \_\_\_\_\_

## Exercise 2

**Tuck Shop Sales of Sodas**



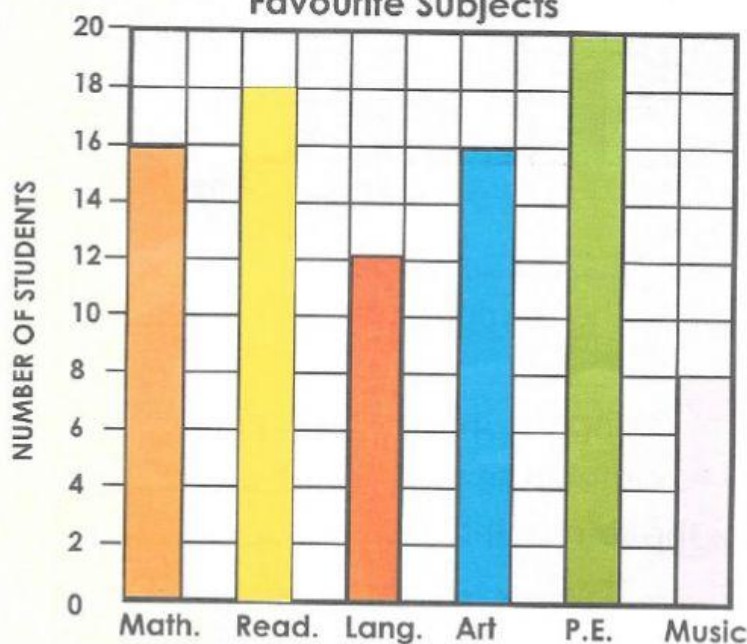
Use the graph above to answer the following questions.

- (1) How many bottles of sodas were sold on Wednesday? \_\_\_\_\_
- (2) Which day had the lowest sale? \_\_\_\_\_
- (3) On which days were the same number of sodas sold?  
\_\_\_\_\_ and \_\_\_\_\_
- (4) On which day was the sales the highest? \_\_\_\_\_
- (5) How many bottles of sodas were sold altogether? \_\_\_\_\_
- (6) What is the average number of sodas sold for the week? \_\_\_\_\_

## Exercise 3

Use the graph below to answer the following questions.

**Favourite Subjects**



- (1) How many students are there altogether? \_\_\_\_\_
- (2) Which is the favourite subject? \_\_\_\_\_
- (3) How many students like reading? \_\_\_\_\_
- (4) Which subject is liked the least? \_\_\_\_\_
- (5) What is the ratio of students who liked Mathematics to those who liked English?  
\_\_\_\_\_