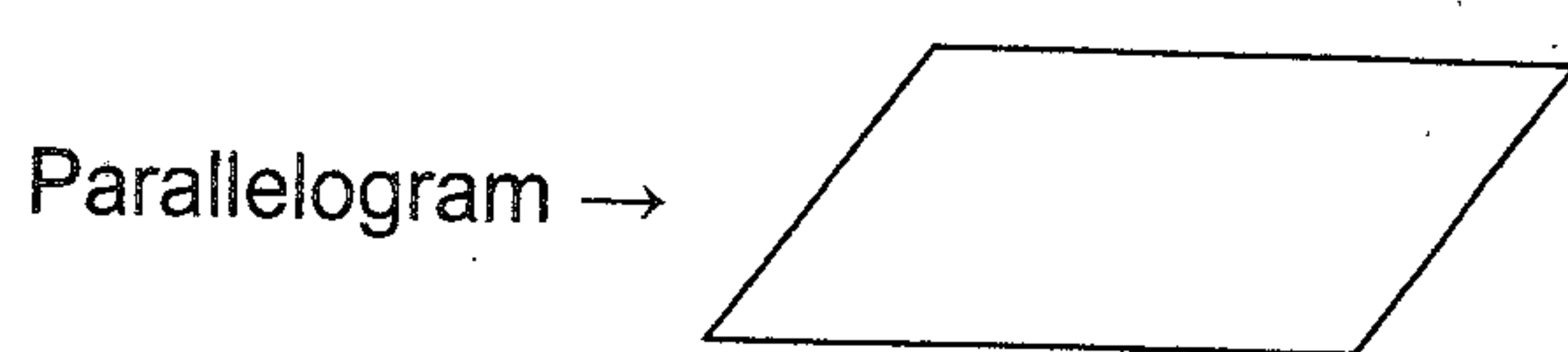
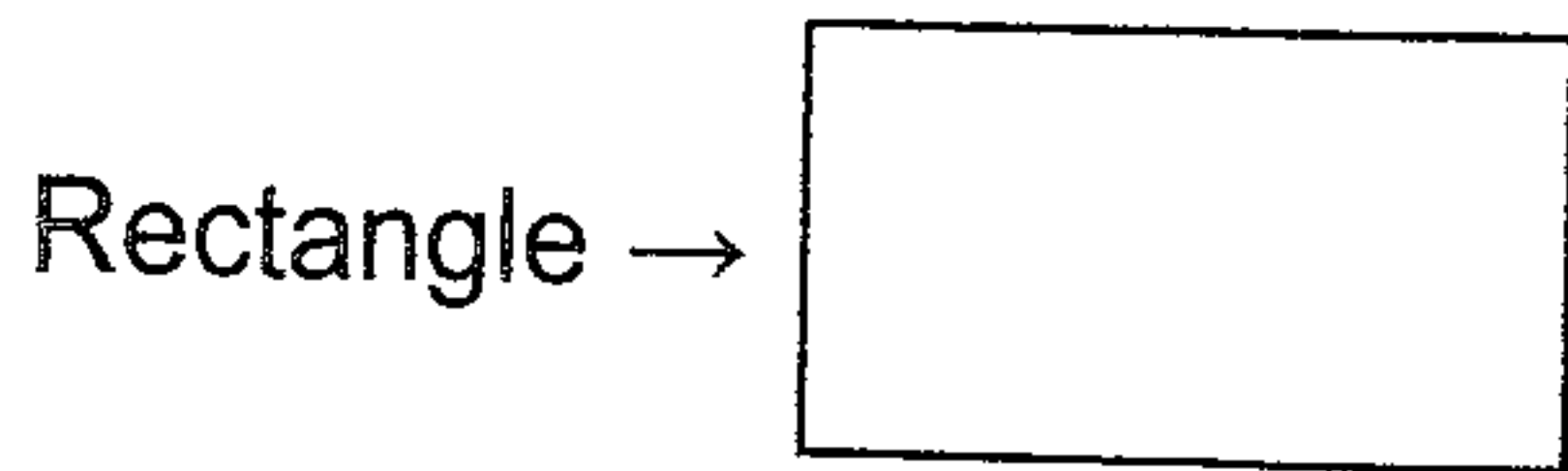
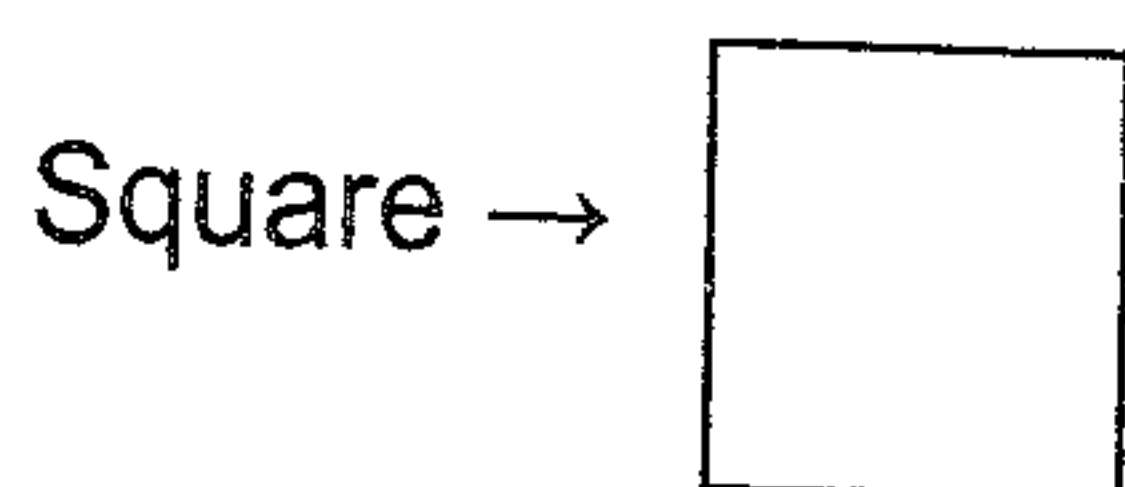


CONTENT AREA: SPACE AND SHAPE

1. 2-D SHAPES AND 3-D OBJECTS:

1.1. Similarities and Differences of the Square, Rectangles and Parallelograms

Example:



Activities:

Answer the following questions.

What name can you give to a shape with:

1.1.1 Two pairs of opposite sides' equal and each angle equal to 90° .

1.1.2 Two pairs of opposite sides' parallel and two pairs of opposite angles equal to 180° .

1.2. Write down the name of one shape with:

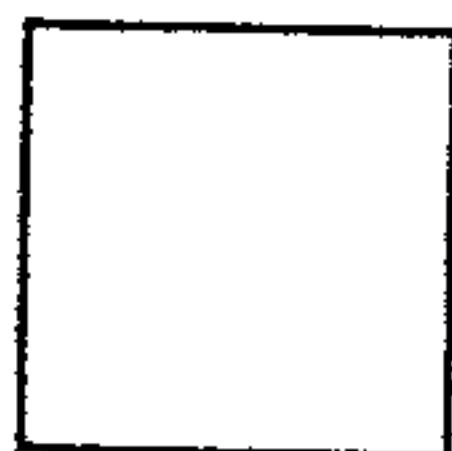
1.2.1 All four sides equal. _____

1.2.2 Two pairs of opposite sides equal. _____

1.3 List all the similarities between a square and a rectangle.



rectangle



square

2. Number of Triangles:

2.1. The figure below is made up of triangles of different sizes:



How many triangles are there in this figure? _____

CONTENT AREA: NUMBERS, OPERATIONS & RELATIONSHIPS

RECOGNISE, REPRESENT, DESCRIBE AND COMPARE WHOLE NUMBERS TO AT LEAST 9-DIGITS.

Expanded Notation:

Examples

Write the following numbers in the expanded notation.

(a) 297 348

$$(2 \times 100000) + (9 \times 10000) + (7 \times 1000) + (3 \times 100) + (4 \times 10) + (8 \times 1) \\ 200000 + 90000 + 7000 + 300 + 40 + 8$$

(b) 300 901 472

$$(3 \times 100000000) + (9 \times 100000) + (1 \times 1000) + (4 \times 100) + (7 \times 10) + (2 \times 1) \\ 300000000 + 900000 + 1000 + 400 + 70 + 2$$

Activities:

Circle the letter of the correct answer in QUESTION 1-2.

1.1 Which number is represented by $(3 \times 10\,000) + (40 \times 100) + (900) + (15 \text{ tens}) + (7 \times 1)$?

A 349 570

B 34 957

C 35 057

D 34 579

1.2. Which number is represented by ?

$$50\,000\,000 + \bullet + 190\,000 + 500 + 80 + 7 = 56\,190\,587$$

1.3. Complete:

$$3\,567\,439 = (3 \times \underline{\quad}) + (5 \times \underline{\quad}) + (6 \times \underline{\quad}) + 7\,000 + 400 + 39$$

1.4. Write 42 631 627 in expanded notation.

2. Write numbers to word or words to numbers:

Example:

Write numbers to words or words to numbers:

Examples

(a) 451 267

Four-hundred and fifty one thousands, two hundred and sixty-seven.

(b) Twenty two million and three.

22 000003

Activities:

2.1 The number, three hundred and fifty nine thousand eight hundred and three, can be written as:

A 359 308

B 395 803

C 359 803

D 593 803

2.2. Underline the number two million, three hundred and eighty-five thousand seven hundred and forty-nine.

249 785 2 385 749
2 849 857 2 385 479
2 859 784

CONTENT AREA: DATA HANDLING

1. Tallies

1.1. Complete the table.

Car colour	Number of cars	Tally marks
red		
white		
yellow	7	

1.2. The following tally chart shows the number of lions and giraffes which learners saw in the zoo.

Animal	Tally marks	Total
Lion		
Giraffe		12

Complete your answers in the table above.

1. 2.1. How many lions did the learners see? _____
1. 2.2. Fill in the correct number of tally marks for the number of giraffes seen.
- 1.3. The following is a tally chart of types of sweets sold in a Tuck Shop.

Sweets sold	Tally	Total
Choc-o-mints		
Mint-o-chocs		17

Complete the chart by answering the following questions.

1.3.1. What is the total number of Choc-o-mints sold? _____

1.3.2. Fill in the correct tally for the Mint-o-chocs sold.

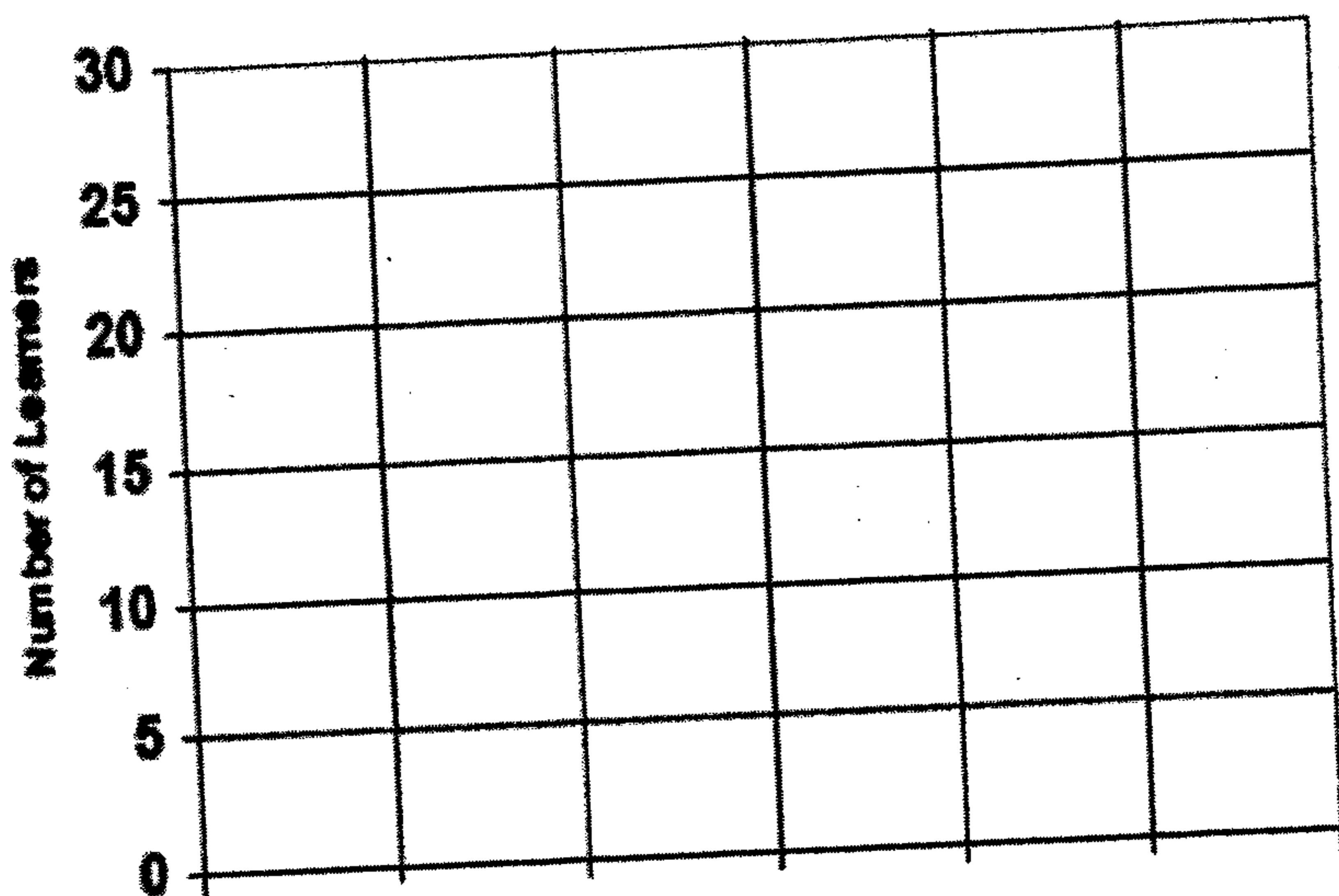
2. Bar graphs

2.1 Draw a bar graph to represent the data about the kind of vehicle which 40 customers drive. Complete the table and use the information to draw a bar graph.

Motor cycle	Car	Minibus	Bakkie	Heavy vehicle
8	12	8	7	5

2.3. Learners were asked which of three different TV programmes was their favourite. The results were recorded in the table below.
 Draw a neat, properly labelled bar graph on the grid provided to show this information:

TV Programme	Number of learners
Egoli	15
Friends	25
Idols	20



3. Mode, Mean and Median

3.1. The following are the shoe sizes of some Grade 6 learners.

7 8 7 6 5
 5 7 4 6 7
 8 4 7 5 6

3.1. 1. What is the **mode** of the shoe sizes? _____

3.2. 2. What is the **median** of the shoe sizes? _____

3.2. The following is a set of scores obtained by the grade 6 Green class in a mathematics test.
 The total score of the test is 20.

11; 14; 12; 10; 8; 15; 14; 12; 9; 5
 12; 13; 18; 12; 5; 12; 14; 12; 9; 5
 14; 12; 10; 9; 18; 15; 12; 10; 12; 10

3.2.1. How many learners scored 10 in the test? _____

3.2.2. Which is the most common score obtained by learners? _____

3.3. Felicity wrote six maths tests. Her marks, out of 50, were 17, 23, 27, 29, 30 and 36.
 Find her mean mark. _____

4. Here are the first round scores in a golf tournament: 73, 79, 78, 80, 79, 74, 72, 76, 79, 77 and 72.

What is the median score? _____

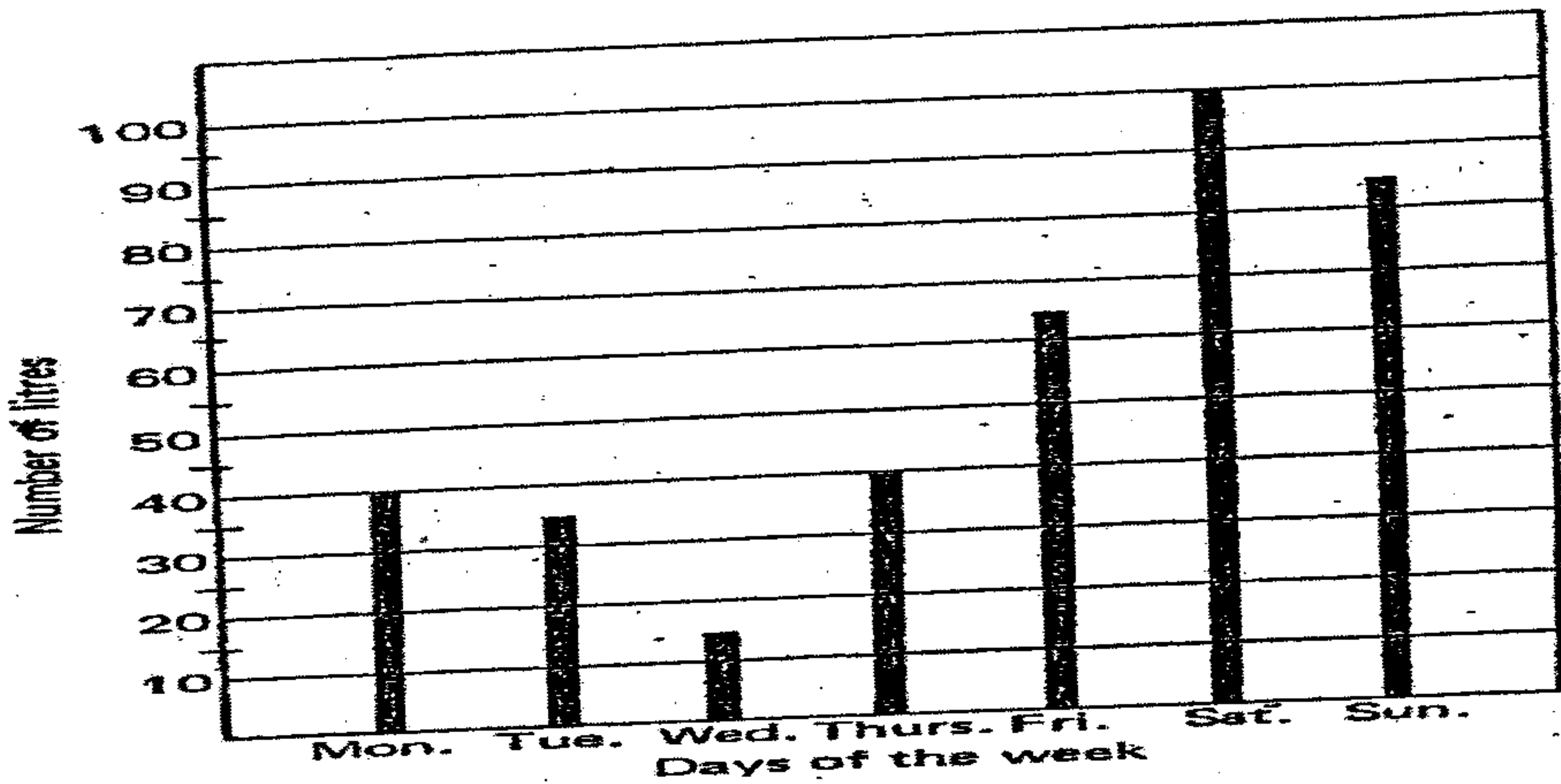
3.5. The price of a loaf of bread at ten shops was found to be:

R4,40 R4,90 R5,10 R6,80 R6,20
R4,40 R6,90 R5,10 R4,40 R4,70.

What is the mode of the prices? _____

4. Interpreting graphs

4.1. This graph shows the amount of cool drink sold by a café owner in a week.



4.1.1. What kind of graph is this? _____

4.1.2. What does the horizontal axis show? _____

4.1.3. On which day did he sell the least amount? _____

4.1.4. How many litres did he sell on Saturday? _____

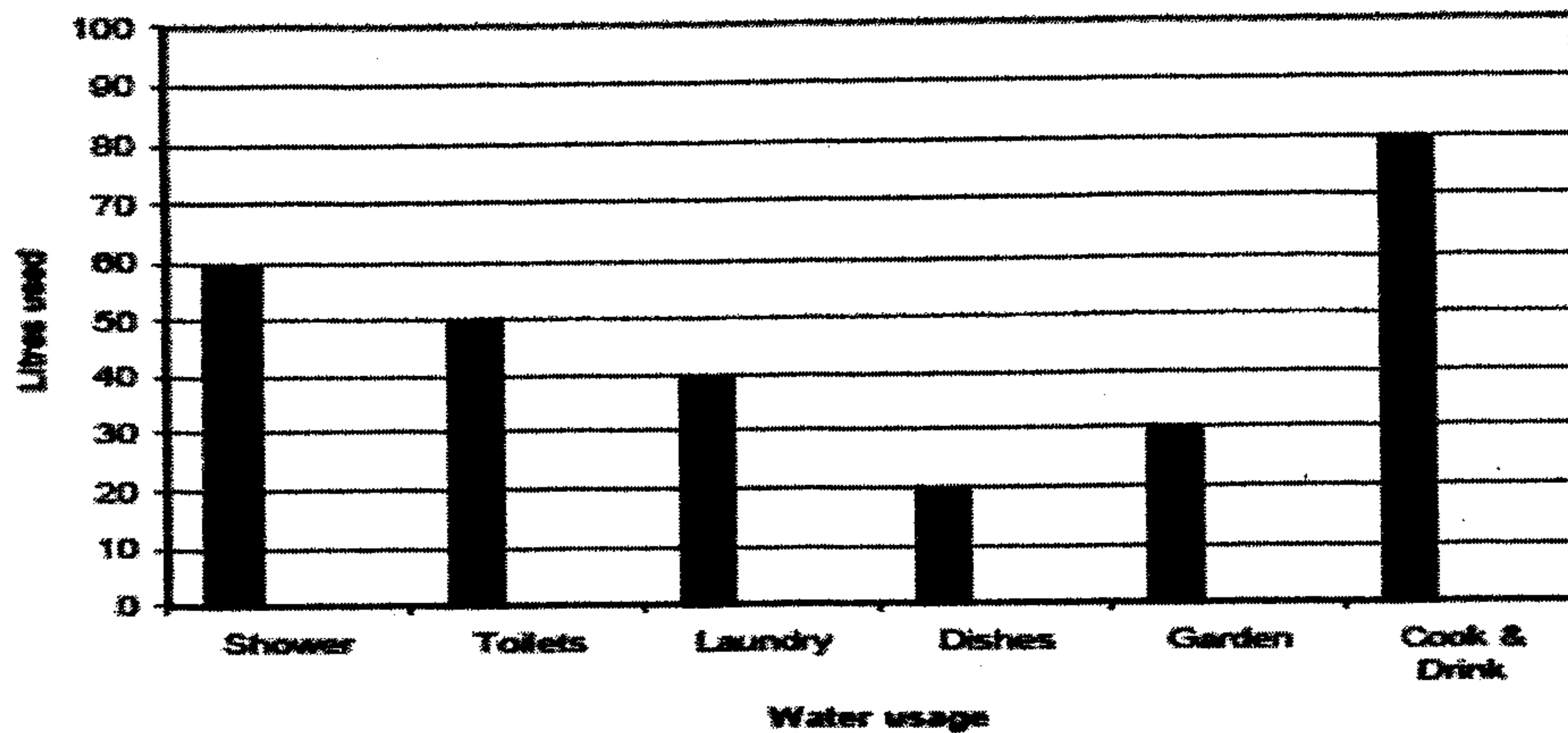
4.1.5. Why do you think he sold so much on Saturday?

4.1.6. On which two days did he sell equal amounts of cool drink?

4.1.7. How much did he sell on Tuesday? _____

4.1.8. How many more litres did he sell on Saturday than on Sunday?

5. Residents in a town were interviewed on their water usage per day. The following graph was obtained from the data.

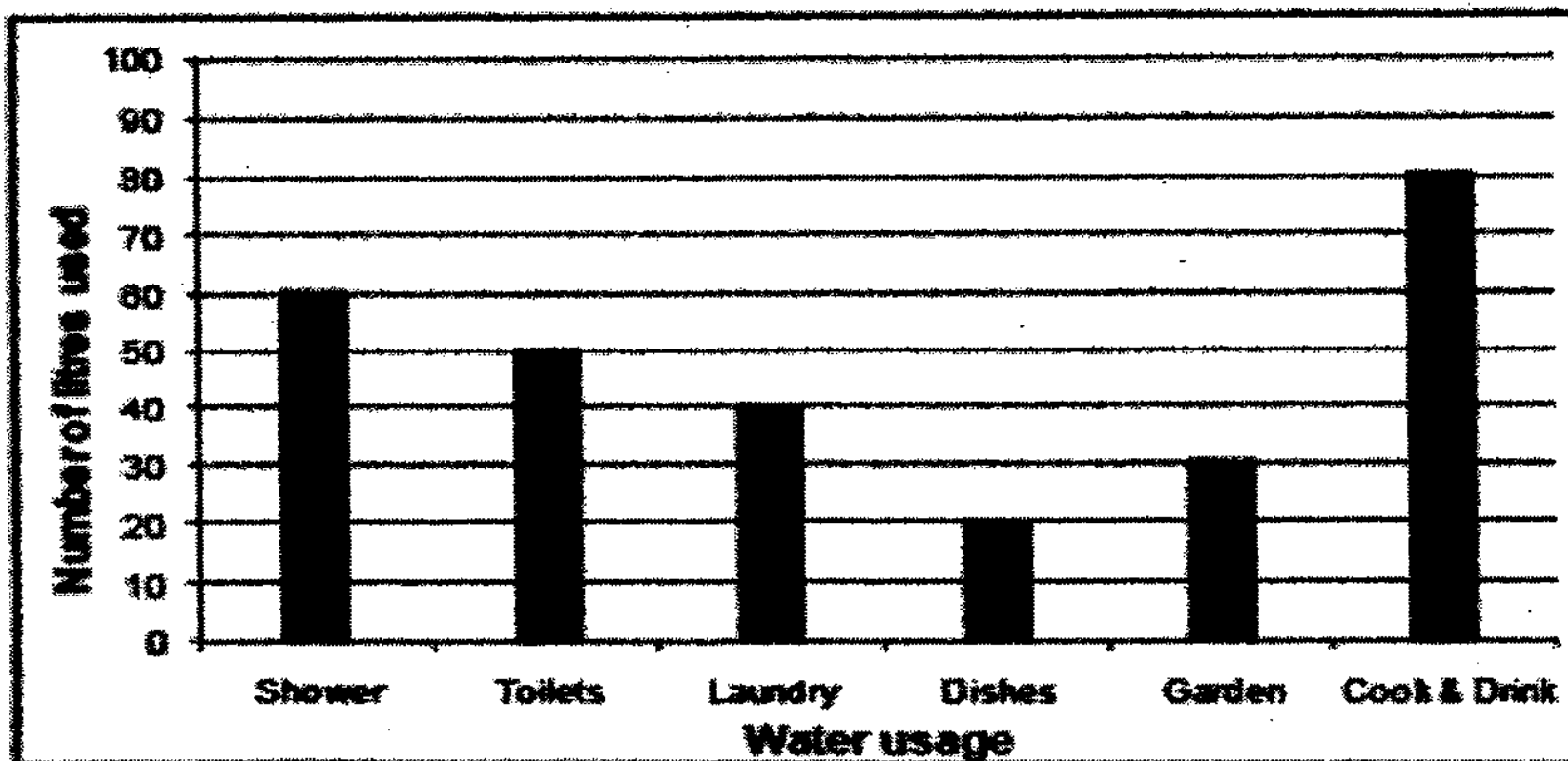


Use the information in the graph to answer the following questions.

5.1. How many litres of water do households use to shower? _____

5.2. What activity used the least amount of water? _____

6. The following graph represents water usage of one household per week. Use the information in the graph to answer the following questions.

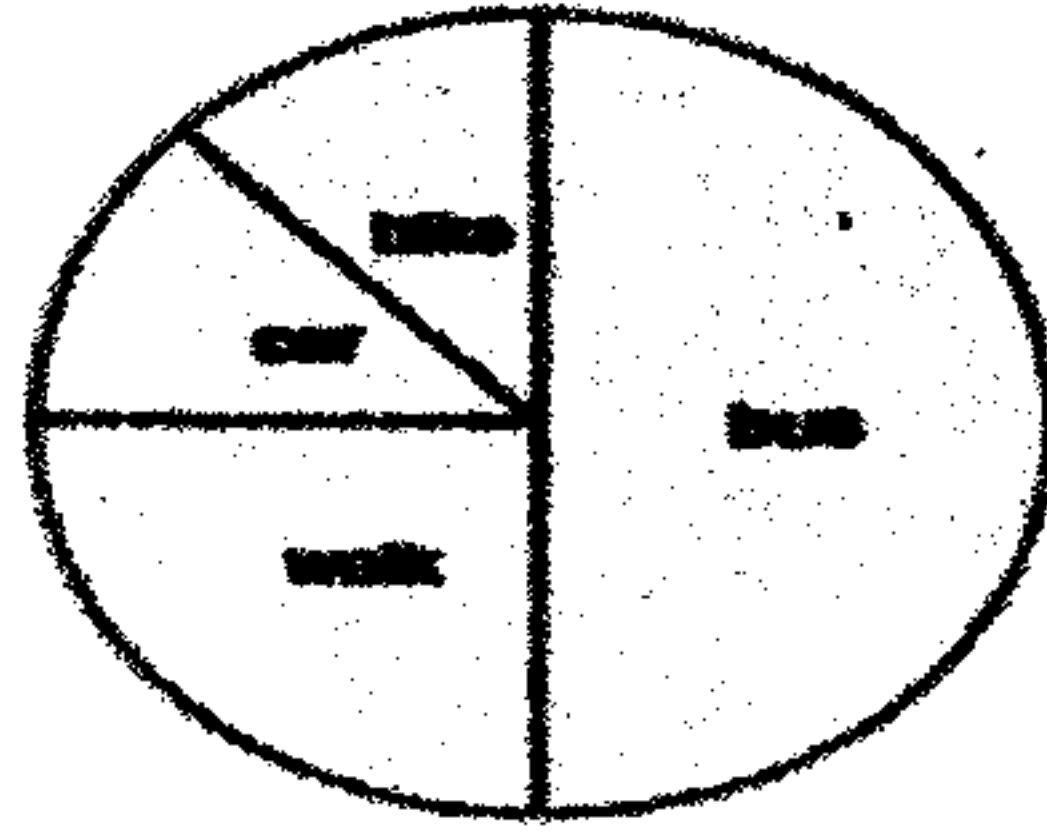


6.1. How many litres of water does the household use to Shower and Garden?

6.2. What is the difference between this household's water usage of Dishes and Cook & Drink?

7. 120 learners in Grade 6 were asked how they came to school, and a pie graph was drawn to illustrate the results.

HOW GRADE LEARNERS 6 CAME TO SCHOOL



7.1 What fraction of the learners walked to school? _____

7.2 How many learners came to school by bike? _____