



Rosary School \ Marj Elhamam

Name:

Date : / 9 / 2025

Subject: Worksheet (1) / unit (1)

Grade : 6 ()

Analysing and displaying data

Q1. Find the **mode** of each set of data:

a) 2, 5, 6, 5, 8, 5, 7 mode= _____

b) 9, 3, 6, 9, 2, 6 mode= _____

c) 1, 2, 3, 4, 5 mode= _____

d) 11, 15, 11, 20, 22, 20 mode= _____

e) 8, 9, 8, 7, 9, 10, 8 mode= _____



Q2. Salim did a survey of favorite colors, the results are shown in the following frequency table.

Color	Frequency
Red	10 students
Blue	12 students
Green	7 students
Yellow	12 students

What is the **mode** color? _____

Q3. A shopkeeper records the number of ice creams sold each day:

12, 15, 18, 15, 20, 18, 15

Find the **mode**. _____

Q4. A dice was rolled 12 times, and these numbers came up:

2, 5, 3, 2, 4, 5, 6, 2, 1, 5, 2, 3

Which number is the **mode**? _____

Q5. Find the **median** of each set of data:

a) 3, 7, 9, 11, 13	median= _____
b) 18, 25, 22, 20, 19	median= _____
c) 12, 15, 18, 21, 24	median= _____
d) 5, 10, 15, 20, 25, 30	median= _____
e) 2, 4, 6, 8, 10, 12, 14	median= _____
f) 1, 3, 5, 7, 9, 11, 13, 15	median= _____

Q6. The ages of 7 cousins are:

5, 8, 10, 6, 12, 7, 9

What is the **median** age? _____

Q7. Five students got these marks in a spelling test:

18, 25, 22, 20, 19

What is the **median** score? _____

Q8. Find the **mean** of each set of data:

a) 6, 8, 10, 12, 14	mean= _____
b) 5, 7, 9, 11	mean= _____
c) 5, 10, 15, 20, 25	mean= _____
d) 3, 6, 9, 12, 15	mean= _____
e) 2, 4, 6, 8, 10, 12	mean= _____

Q9. A shopkeeper counted the apples in 4 baskets, here are the results:

15, 20, 22, 18

What is the **mean** of apples in a basket?

mean= _____

Q10. Find the **range** of each set of data:

a) 3, 7, 9, 12, 15 Range= _____

b) 10, 20, 25, 30, 40 Range= _____

c) 5, 8, 12, 6, 10 Range= _____

Q11. Ali recorded the number of pages he read in 5 days:

3, 7, 9, 12, 15 pages.

What is the **range** of pages Ali read? _____

Q12. Which of these are **discrete** and which are **continuous**?

a) Number of pencils in your bag. _____

b) Height of your teacher. _____

c) Number of goals scored in a match. _____

d) Time taken to run a race. _____

Q13. The scores of 20 students in a spelling quiz are:

5, 6, 7, 5, 8, 6, 7, 5, 9, 6, 8, 7, 6, 5, 7, 8, 9, 6, 7, 5

Score	Tally	Frequency
5		
6		



a) Complete table

Score	Tally	Frequency
7		
8		
9		

the frequency below:

b) What is the **mode**? _____

Q14. The ages of 30 students in a club are:

10, 11, 10, 12, 13, 11, 14, 12, 10, 13, 12, 11, 10, 14, 13, 12, 11, 10, 15, 12, 13, 11, 12, 14, 13, 12, 11, 10, 13, 12

Complete the grouped frequency table below.

Age (years)	Tally	Frequency
10–11		
12–13		
14–15		

Q15. A survey was conducted to find out the **favorite sports of boys and girls** in a class.

The data collected is shown by the following table:

Sport	Boys	Girls
Football	8	2
Basketball	5	3
Swimming	3	6
Tennis	2	4

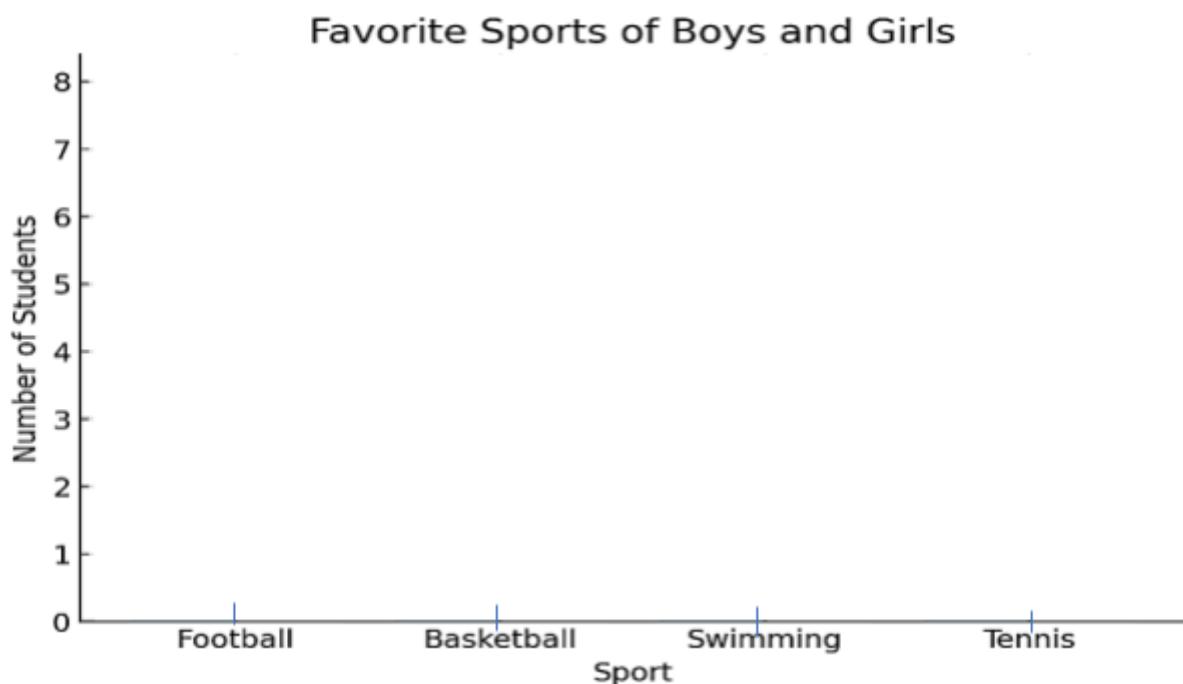


a) Draw a dual bar chart to represent the data.

Favorite Sports of Boys and Girls



b) Draw a compound bar chart to represent the data.



Q16. The composite bar chart shows the results of driving tests one morning in three different test centers.

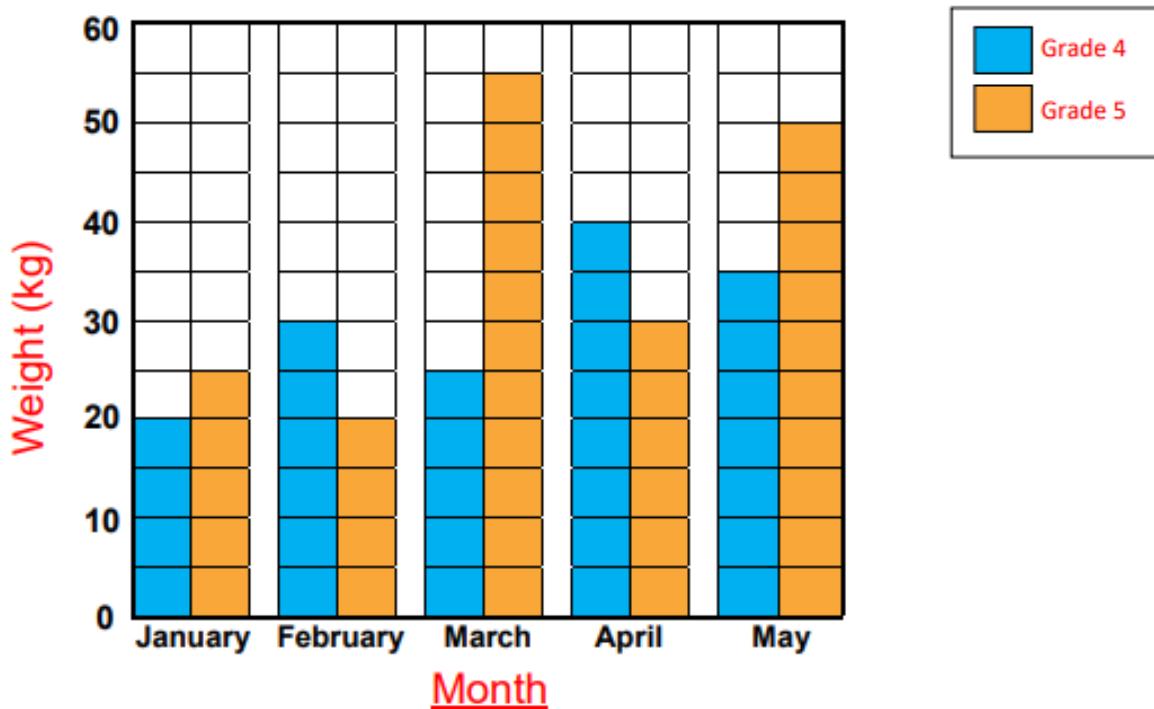


a) How many people passed their driving test at the Bristol test centre?

b) How many people failed their driving test at the Taunton test centre?

c) How many people tested at Swindon test centre ? _____

Q16. Students collected and recorded the weight of old newspapers for 5 months.



a) In which month did grade 4 pupils collect the most newspapers?

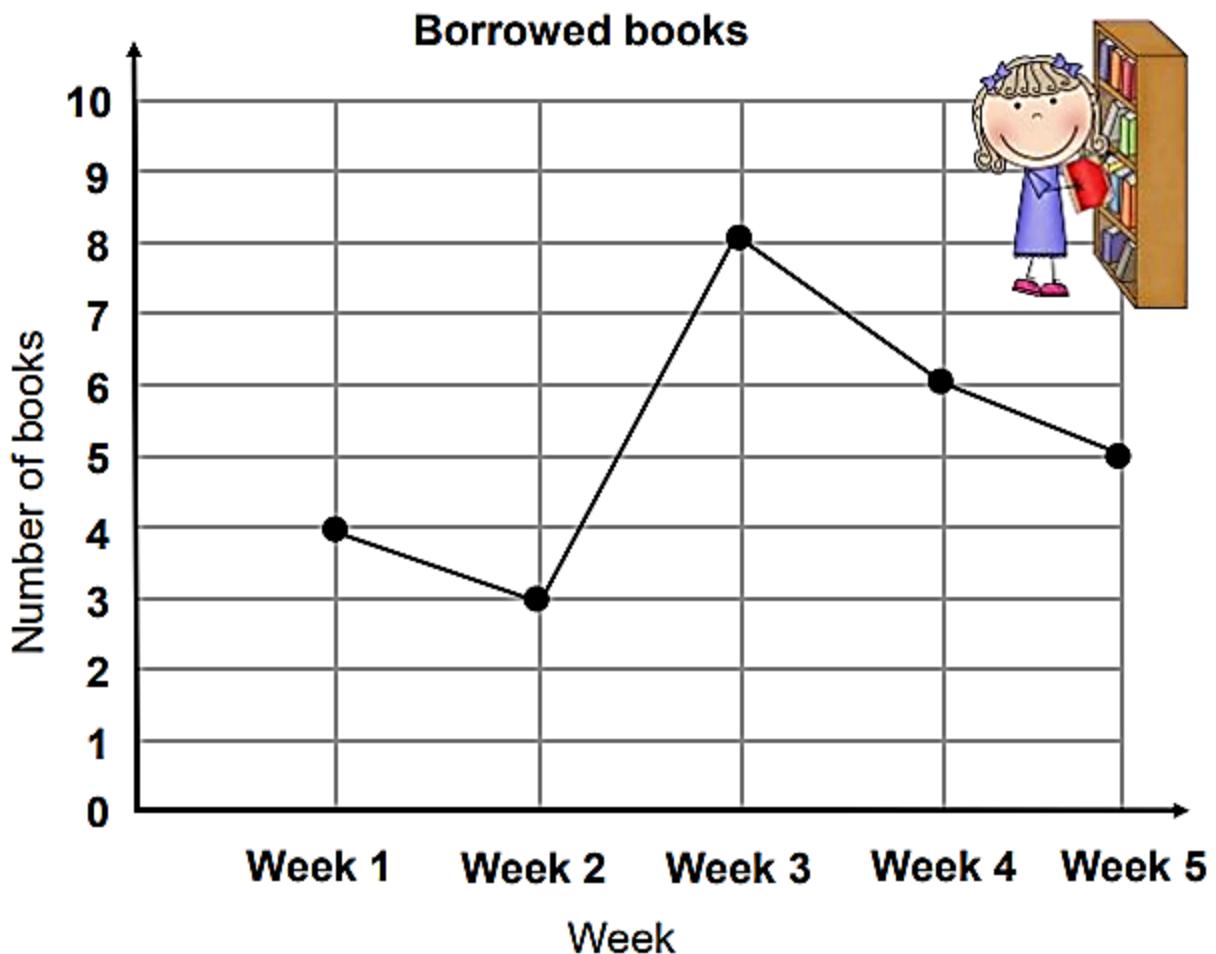
b) In which month did grade 5 pupils collect the fewest newspapers?

c) How many kg of newspapers did the Grade 5 students collect?

d) Which month has the fewest newspapers collected?

e) What is the difference between the total collection of Grades 4 and Grade 5?

recorded the number of books she borrowed for 5 weeks.



a) How many books were borrowed on week 4?

b) What week did Carol borrow 6 books?

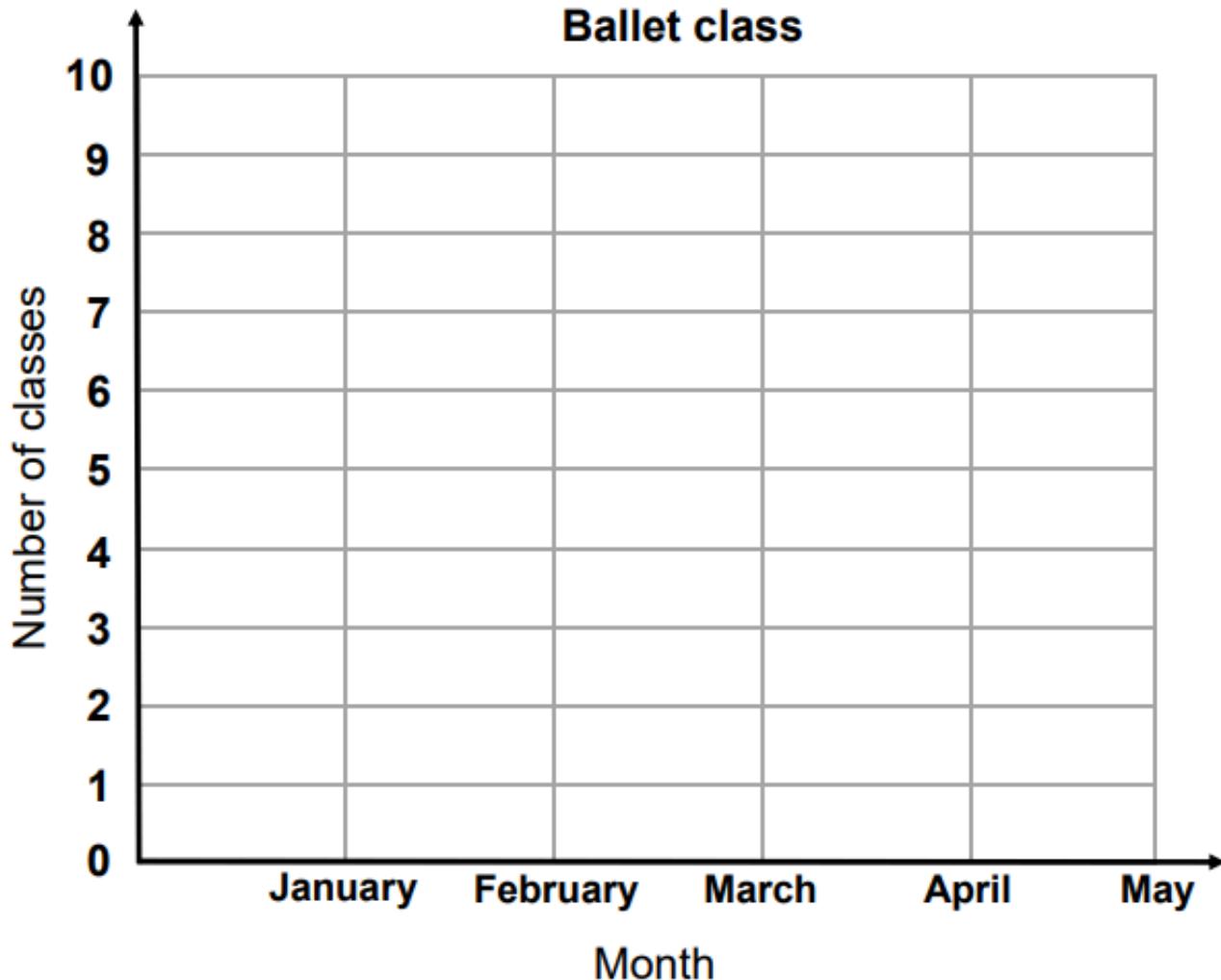
c) How many more books were borrowed on week 1 than week 2?

d) What week did Carol borrow the most books?

e) What week did Carol borrow the fewest books?

Q18. Mary recorded the number of ballet classes she had for 5 months. Draw a line graph using the given data.

Month	Number of classes
January	8
February	7
March	6
April	10



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