Rosary School \ Marj Elhamam

Name : ……………………………

Date :   / 9   / 2025

Subject: Practice worksheet (2) / Unit (1)

Grade : 6 (   )

Analysing and displaying data

❖ **1.1 Averages and range + 1.2 More averages and range**

Q1: Find the mode of each set of data.

a) 4, 6, 7, 6, 8, 9, 6 _____ 6

b) 10, 12, 14, 12, 15, 10 ___ 10 and 12

c) 2, 3, 4, 5, 6 _____ No mode

d) 20, 18, 22, 20, 18, 25 _____ 20 and 18

e) 7, 8, 7, 9, 10, 7, 11 _____ 7

Q2: A class survey shows the favorite pets of students; the following table show the result.

	frequency
Cat	11
Dog	14
Fish	6
bird	9

What is the mode pet? _____ Dog

1

Q3: The number of books borrowed in one week as following:

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

Find the mode. _____7_____

Q4: A dice was rolled 10 times; the results are shown below:

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

Which number is the mode? _____3_____

Q5: Find the median of each set of data.

a) 4, 6, 8, 10, 12   median = _____8_____

b) 20, 22, 18, 21, 19   median = _____20_____

c) 11, 13, 15, 17, 19   median = _____15_____

d) 2, 4, 6, 8, 10, 12   median = _____7_____

e) 9, 11, 13, 15, 17, 19, 21   median = _____15_____

f) 8, 10, 12, 14, 16, 18, 20, 22   median = _____15_____

Q6: The ages of 9 cousins are:

3, 5, 7, 9, 11, 13, 15, 17, 19

What is the median age? _____11_____

Q7: Five students score in a math test as following:

28, 35, 31, 30, 29

What is the median score? _____30_____

Q8: Find the mean of each set of data.

a) 2, 4, 6, 8, 10

mean = _____6_____

b) 12, 14, 16, 18

mean = _____15_____

c) 5, 15, 25, 35, 45

mean = _____25_____

d) 7, 14, 21, 28

mean = _____17.5_____

e) 3, 6, 9, 12, 15, 18

mean = _____10.5_____

Q9: A farmer collected eggs for 4 days as following:

12, 15, 14, 19

What is the mean number of eggs collected per day? _____15_____

Q10: Find the range of each set of data.

a) 2, 5, 7, 10, 13

Range = _____11_____

b) 8, 12, 16, 20, 24

Range = _____16_____

c) 4, 9, 11, 15, 6

Range = _____11_____

Q11: Sam recorded the number of apples he ate in 5 days as following:

2, 4, 6, 8, 10

What is the range? _____8_____

Q12: Which of these are discrete and which are continuous?

a) Number of books in a library. _____Discrete_____

b) Weight of a watermelon. _____Continuous_____

c) Number of buses at a station. _____Discrete_____

d) Time taken to finish homework. _____Continuous_____

Q13: The marks of 15 students in a spelling test are recorded as following:

3, 4, 5, 3, 6, 5, 4, 3, 5, 6, 4, 5, 3, 4, 5

Complete the frequency table:

Test mark	Tally	Frequency
3	////	4
4	////	4
5	++++	5
6	//	2

What is the mode mark? ____5____

Q14: The ages of 20 students are:

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

Complete the following grouped frequency table.

Age(year)	Tally	Frequency
11-12		11
13-14		8
15-16		1

❖ **1.3 Two-way tables and bar charts + 1.4 More graphs and tables 1**

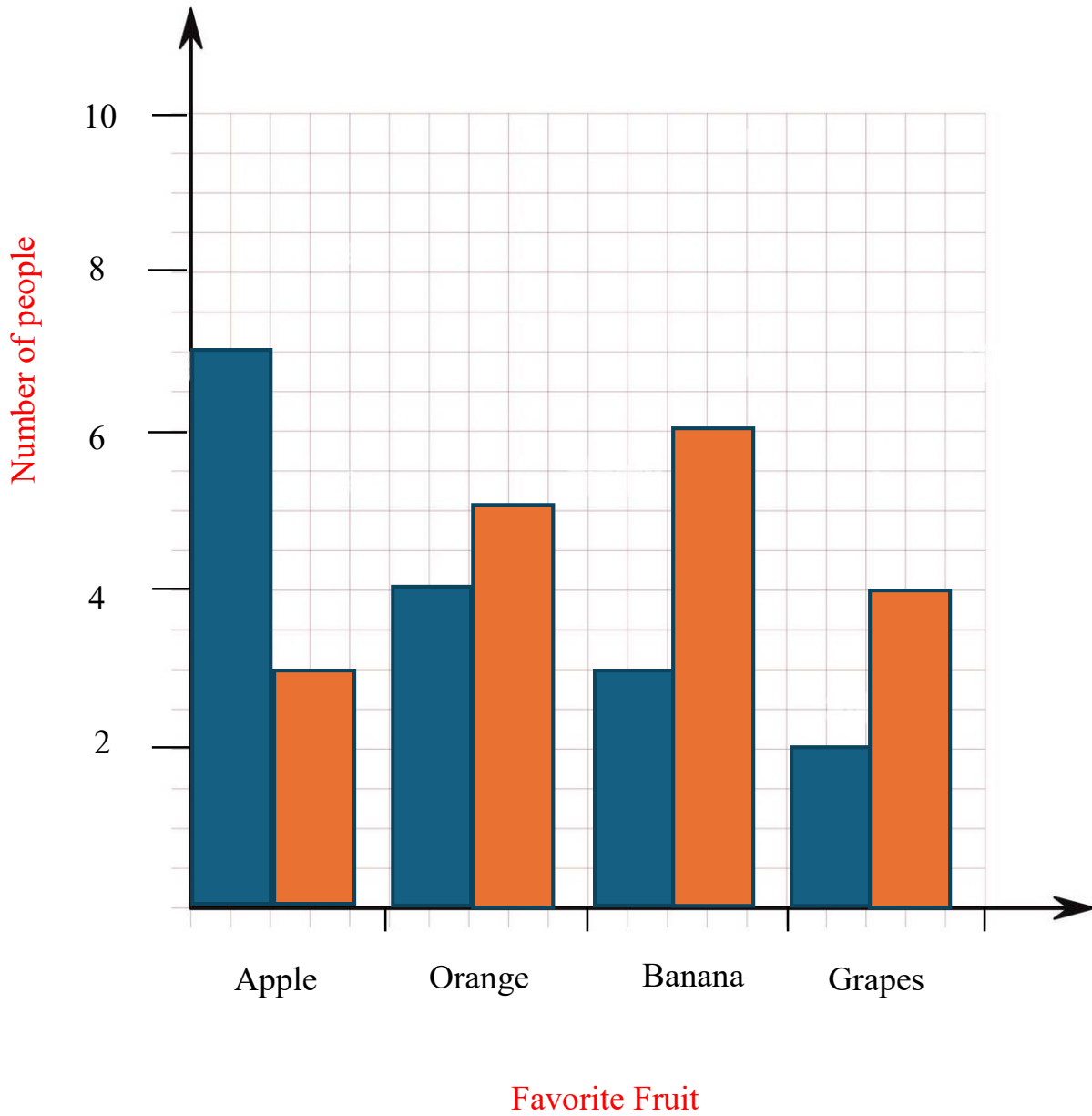**Q1:** A survey was conducted about favorite fruits; the following table shows the results.

Fruit	Boys	Girls
Apple	7	3
Orange	4	5
banana	3	6
Grapes	2	4

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

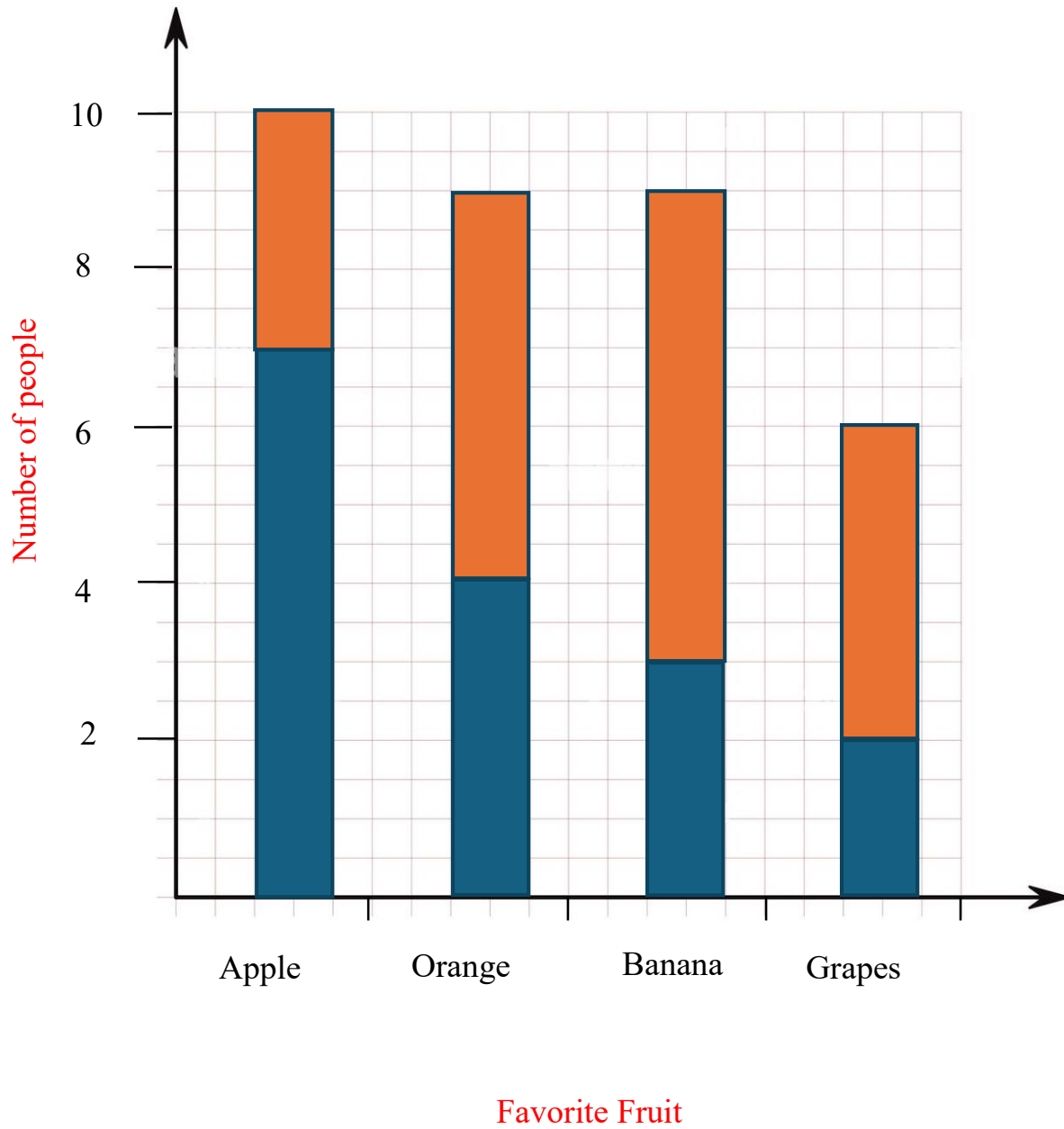b) Draw a compound bar chart to represent the data.

a)

Favorite fruits

Number of people (y-axis): 2, 4, 6, 8, 10

Favorite Fruit (x-axis): Apple, Orange, Banana, Grapes

Legend: Boys, Girls

b)

Favorite fruits

Number of people

Apple Orange Banana Grapes

Favorite Fruit

■ **Boys**   ■ **Girls**

Q2: Students collected old magazines for 4 months:

Month	Grade 5	Grade 6
Jan	20	25
Feb	30	35
Mar	25	30
Apr	35	40

a) In which month did Grade 6 collect the most magazines? _ April _

b) In which month did Grade 5 collect the fewest? __ January

c) How many magazines did Grade 6 collect in total? 130 _____

d) Which month had the fewest magazines overall? January _____

e) What is the difference between the totals of Grade 5 and Grade 6?

20

_____

Q3: Mary recorded the number of times she practiced piano for 5 weeks:

Week	Number of practices
Week 1	3
Week 2	5
Week 3	4
Week 4	6
Week 5	7

a) How many times did she practice in Week 4? ____6 times____

b) In which week did she practice the most? __Week 5__

c) In which week did she practice the least? __Week 1__

d) Draw a line graph to represent the data

Practiced Piano for 5 Weeks