



Name :- _____

Std.:- IV - _____

Roll No. :- _____

Worksheet - TA-1-02

Date :- _____

Q. 1) Choose the correct option.

1) Which of the following fraction are not equivalent?

a) $\frac{1}{2}$ and $\frac{2}{4}$

b) $\frac{3}{2}$ and $\frac{6}{4}$

☒ c) $\frac{8}{7}$ and $\frac{7}{8}$

2) What is the value of $\frac{1}{4}$ of 12?

☒ a) 3

b) 6

c) 9

3) When comparing fractions with the same denominator, the fraction with smaller numerator is _____

a) ~~Smaller~~

b) larger

c) equal

4) Subtract $\frac{1}{9}$ from $\frac{5}{9}$ the difference is:

a) $\frac{2}{9}$

☒ b) $\frac{4}{9}$

c) $\frac{5}{9}$

5) What is a pictograph?

a) A graph that uses bars to show data

☒ b) A graph that uses pictures to represent data

c) A graph that uses numbers to show data

6) What is the value of ~~(III III)~~

a) 7

☒ b) 8

c) 9

7) A bar graph uses _____ to show the data?

☒ a) Columns (bars)

b) pictures

c) lines

8) Data is another word for :

a) Numbers

☒ b) information

c) pictures and stories

Q. 2) Fill in the blanks

1) A picture graph is also known as pictograph

2) A way of organising information is called data handling

3) $\frac{1}{4}$ of an hour = 15 minutes.

4) $\frac{1}{6}$ of a year = 2 months.

5) If a ☆ symbol represents 5 students, then ☆☆☆ stars would represent 15

6) The simplest form of $\frac{88}{77}$ is $\frac{8}{7}$

7) A table is a good way to organise data.

8) Every graph must have a title.

9) $\frac{2}{5}$ of century = 40 years.

10) $\frac{9}{4} - \frac{5}{4} =$ 1

3) True and false.

- 1) A bar graph has two axis.
- 2) Bar graphs are represented by pictures.
- 3) The denominator tell us how many equal part the whole is divided into.
- 4) A whole circle can be represented by the fraction $\frac{3}{4}$
- 5) A bar graph is always drawn vertically.

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F
F

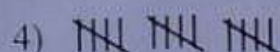
Q. 4) Match the following.

(A)

1) $\frac{2}{3}$ of dozen



3) $\frac{13}{11} + \frac{17}{11}$



(B)

a) $\frac{30}{11}$

b) 8

c) 15

d) $1\frac{1}{3}$

Ans:-

1- b

2- d

3- a

4- c

Q. 5) Use the appropriate symbols $<$, $>$ or $=$

1) $\frac{4}{5} + \frac{3}{5}$ $<$ $\frac{9}{5} + \frac{11}{5}$

2) $\frac{8}{10} + \frac{13}{10}$ $=$ $\frac{13}{10} + \frac{8}{10}$

3) $\frac{18}{9} + \frac{5}{9}$ $>$ $\frac{17}{9} - \frac{4}{9}$

4) $\frac{20}{100} + \frac{1}{100}$ $<$ $\frac{14}{100} + \frac{17}{100}$

Q. 6) Add

1) $\frac{3}{41} + \frac{7}{41}$

$= \frac{3+7}{41}$

$= \frac{10}{41}$

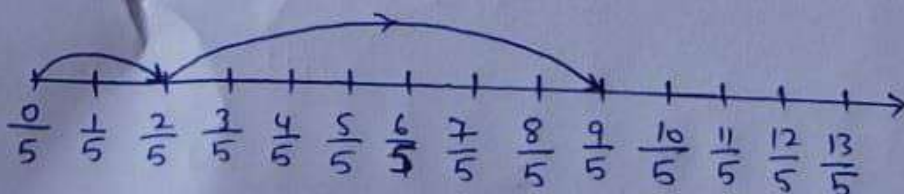
2) $\frac{139}{123} + \frac{201}{123}$

$= \frac{139+201}{123}$

$= \frac{340}{123}$

Q. 7) Draw a number line to show the following addition sentence.

1) $\frac{2}{5} + \frac{7}{5} = \frac{9}{5}$



8) Subtract:

$$1) \frac{171}{91} - \frac{170}{91}$$

$$= \frac{171-170}{91}$$

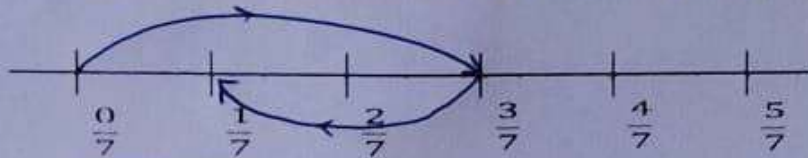
$$= \frac{1}{91}$$

$$2) \frac{896}{41} - \frac{509}{41}$$

$$= \frac{896-509}{41}$$

$$= \frac{387}{41}$$

Q. 9) Give subtraction sentence for the number line given below.



$$\Rightarrow \boxed{\frac{3}{7} - \frac{2}{7} = \frac{1}{7}}$$

Q. 10)(A) Arrange the following fractions in the ascending order.

$$1) \frac{3}{91}, \frac{12}{91}, \frac{31}{91}, \frac{25}{91}, \frac{1}{91}$$

$$= \frac{1}{91}, \frac{3}{91}, \frac{12}{91}, \frac{25}{91}, \frac{31}{91}$$

Q. 10)(B) Arrange the following fractions in the descending order.

$$2) \frac{19}{11}, \frac{31}{11}, \frac{12}{11}, \frac{51}{11}, \frac{36}{11}$$

$$= \frac{51}{11}, \frac{36}{11}, \frac{31}{11}, \frac{19}{11}, \frac{12}{11}$$

Q. 11) Solve the following.

$$1) \frac{13}{7} \text{ of } 21 \text{ cm}$$

$$= 13 \times (21 \div 7) \text{ cm}$$

$$= 13 \times 3 \text{ cm}$$

$$= 39 \text{ cm}$$

$$2) \frac{7}{2} \text{ of } 24 \text{ m}$$

$$= 7 \times (24 \div 2) \text{ m}$$

$$= 7 \times 12 \text{ m}$$

$$= 84 \text{ m}$$

$$3) \frac{4}{10} \text{ of ₹ } 50$$

$$= ₹ 4 \times (50 \div 10)$$

$$= ₹ 4 \times 5$$

$$= ₹ 20$$

$$4) \frac{15}{100} \text{ of } 1 \text{ km} \quad (\because 1 \text{ km} = 1000 \text{ m})$$



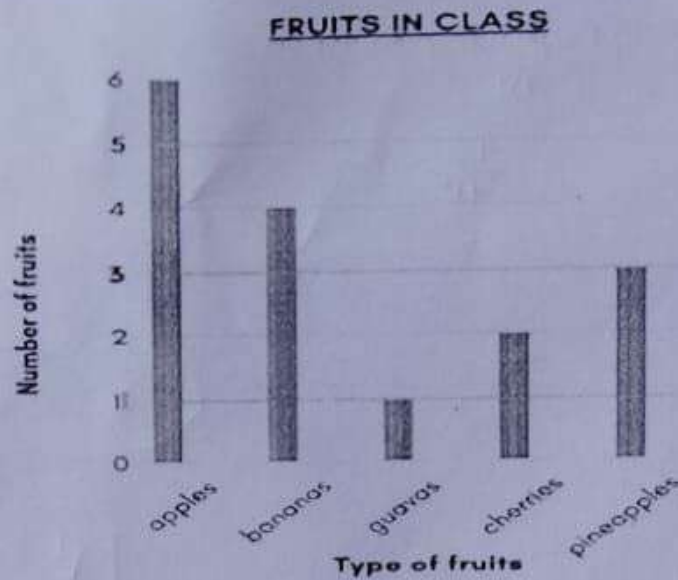
$$= \frac{15}{100} \text{ of } 1000 \text{ m}$$

$$= 15 \times (1000 \div 100) \text{ m}$$

$$= 15 \times 10 \text{ m}$$

$$= 150 \text{ m}$$

Q. 12) (A) The bar graph given below shows the number of fruits in the class. Observe the graph and answer the following question.



- 1) How many children have apples?
- 2) How many children have bananas?
- 3) How many children have guavas?
- 4) How many children have cherries?
- 5) Which type of fruit is least in number?

6

4

1


2

















Guava

Q. 12) (B) Draw the bar graph for the following given data.

Years	2021	2022	2023	2024	2025
Number of sold Bicycles	100	200	300	400	500

Q. 13) Observe the given pictograph and answer the following questions.

Key:  = 10 children.

Activity Club	Number of Children
Art	   
Dance	      
Sculpture	  
Music	   

- 1) Which Activity club has maximum number of students?
- 2) Which activity club has minimum number of students?
- 3) How many more students are there in dance club than music club?
- 4) Which is the most popular activity?

Dance

Sculpture

30

Dance

12(B)

Graph to represent the number of bicycles sold from 2021-25.

