

The Millennium Stars School and College

Rangpur Cantonment

Assignment 1-2020

Class: Five

Subject: Mathematics

Time: 3 hours

Full marks: 100

1×20=20

1. Answer the following question in short:

- The price of 8 eggs is taka 72. If you buy 3 halie pieces of egg then, How many taka do you pay?
- Which is always smaller than divisor in the division? Write in relation symbols
- What will be the product if 8970 is multiplied by 1000?
- What is stand of LCM and HCF?
- What do you mean by average?
- What do you mean by trapezium?
- Which one is common characteristics square and rhombus?
- How many diagonals in a parallelogram?
- What is reciprocal of $\frac{5}{6}$?
- Find the average of 1, 0, 3 and 8?
- $2\frac{2}{5}$ m and $\frac{4}{5}$ m strings are how many meters altogether?
- $90 \div x = 6$, what is the value of "x"?
- Put operational symbols in the blank $9 \square 9 \square 9 \square 9 = 80$
- What is the GCF of 12, 16 and 36?
- Express in prime factorization of 72.
- $4 - \frac{1}{4} = ?$
- The age of a sister is $\frac{3}{4}$ portion of her brother's age. If the brother's age is 72 years, what is the age of the sister?
- If there is no common factor of two numbers then what will be their LCM and HCF?
- How many prime numbers are there between 1 to 20?
- How many degree is the sum of 4 angles of a quadrilateral?

2. Mr. Rahman is a business man. He gained profit of 95200 taka in 8 months.

- How much profit does he gain in a month?**
- How much profit does he gain in a year?**
- If he distributed each employee 850 taka of annual profit, then how many employee are in the company.**

Or, The annual income of a person is 127750 taka.

- What will be quotient and remainder if annual is divided by a 3 digits smallest number?**
- What is daily income?**
- In how many days he will earn 42000 taka?**

3. In a cricket match, Sakib and Nasir scores 102 run in total. Sakib's run is 5 times of Nasir's run.

- How many runs did Nasir score?
- How many runs did Sakib score?

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c) Find the difference between their runs.

Or, 3 Cows and 2 goats cost together 36500 taka. The price of a goat is 2500 taka.

- a) What is the price of three cows?
- b) What is the difference between a cow and a goat price?
- c) What is the total price of three goats and two cows?

4. The price of "p" packets of biscuits with one bottle of drink was q taka. A packet of biscuits cost 18 taka and a bottle of drink 12 taka.

- a) Write a mathematical sentence to show the relationship between p and q.
- b) What is the value of q when p is 10?

Or

A bottle of water weight 120 grams. Nice put several bottles of this water in a bag of 50 grams. Let x denote the number of bottles and y the sum of weights of water bottles and weight of bag.

- a) Write the relationship between x and y.
- b) Find the values of y when x is 40 .

5. There are three bells. One of them rings every 12 minutes, the other rings every 8 minutes and the rest rings every 10 minutes. They ring together for the first time.

- a) Find the all factors of 12
- b) In what minimum minutes will they ring together again after that?
- c) If the bells ring together at 9 am, what time will they ring together next time?

Or,

The teacher wants to divide 54 bananas, 36 biscuits and 72 chocolates equally among the students.

- a) Find the maximum number of students to whom the teacher can distribute these items equally?
- b) To how many students can the teacher distribute the bananas and chocolates equally and how many bananas and chocolates each one gets?

6. Two drums contains 228 litres and 348 litres of water respectively.

- a) A pitcher of what largest capacity can be used to fill up the two drums with water.
- b) Which drum will hold how many pitchers of water?

Or, There is a graph paper of 12 cm in width 18cm in length. We cut this graph into some squares of the same size without leaving any remaining parts.

- a) Write first 4 multiples of 18.
- b) Find the length of a side of the largest square.
- c) How many squares of the largest size can make from this graph paper?

7. Answer to the questions (any two):

- a) A quadrilateral of which 4 sides are 4, 5, 6, 8 cm
 - i) Draw a quadrilateral.
 - ii) Write 3 characteristics of drawn figure.
- b) i) Draw a rectangle whose length is 9 cm and width is 4 cm.
 - ii) Write two characteristics of the drawn figure.
- c) An angle of parallelogram 70°
 - i) Draw the parallelogram.
 - ii) Write 3 characteristics of drawn figure.

$$(3+3) \times 2 = 12$$

8. Rafi has $2\frac{5}{6}$ L of juice and Nice has $1\frac{3}{8}$ L of juice.

- Convert the given fractions into improper fractions.
- What is the sum of total part of juice they have?
- Who has more juice express by symbol?
- Determine the more amount of juice.

Or, Mr. Mamun kept $\frac{1}{4}$ portion of his property for himself and divided the remaining property among 4 of his children

- How much portion of property was remaining after kept for him?
- How much portion of property did each child got?
- If the value of each child property is 369000 taka, then what is the total value of Mr. Mamun property?

9. Mr. Abir had 72000 taka. He donated $\frac{5}{12}$ portion of his money to an orphanage, $\frac{3}{8}$ portion to educational institution.

- What portion of money he donated in total ?
- What amount of money he donated to an educational institution?
- What amount of money he donated in total ?
- How much money remains with him?

Or, Mr. Tipu kept $\frac{1}{4}$ portion of his property for himself and divided the rest of the property equally between his two sons.

- What portion was the rest of the property after Mr. Tipu kept his property for himself?
- What portion of the property did each son get?
- If Mr. Tipu has property of taka 1,60,000 how much will each son get ?

10. The exam scores of Sakib and Rifat in Bangla, Mathematics, English, Science, Social study and Islam are as follows:

	Bangla	Math	English	Science	BGS	Islam
Sakib	70	80	90	100	80	90
Rifat	75	85	95	95	85	93

- What is the average score of Sakib?
- What is the average score of Rifat?
- What is the difference of their average score?

Or, Table below shows the amount of milk taken from one cow last week:

Day	Sat	Sun	Mon	Tue	Wed	Thurs	Fri
Milk (litre)	16	18	17	13	17	14	16

- Find the average amount of milk that the cow gave for the first 3days?
- Find the average amount of milk that the cow gave for the last 4 days?
- Find the difference of the average amount of milk between the first 3 days and the last 4days?

11. The average age of father and his three sons is 25 years. The average age of mother and their three sons is 20 years. The age of mother is 35 years.

- a) What is the average age of three sons?
- b) What is the age of father?
- c) What is the average age of father, mother and their three sons?

Or, The weight of eight eggs are as follows: 54 g, 56 g, 55 g, 58 g, 57 g, 50 g, 53 g, 51g

- a) What is the average weight of first four eggs?
- b) What is the average weight of last four eggs?
- c) Find the average weight of these eight eggs.

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