



INDIAN SCHOOL AL WADI AL KABIR

Pre-Mid-Term Examination (2023-24)

Class: VII

Sub: MATHEMATICS

Max Marks: 30

Date: 25-05-2023

Set - I

Time: 1 hour

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.6)

Section B: Source-based questions (Q.7 to Q.11)

Section C: Long Answer Questions (Q.12 to Q.14)

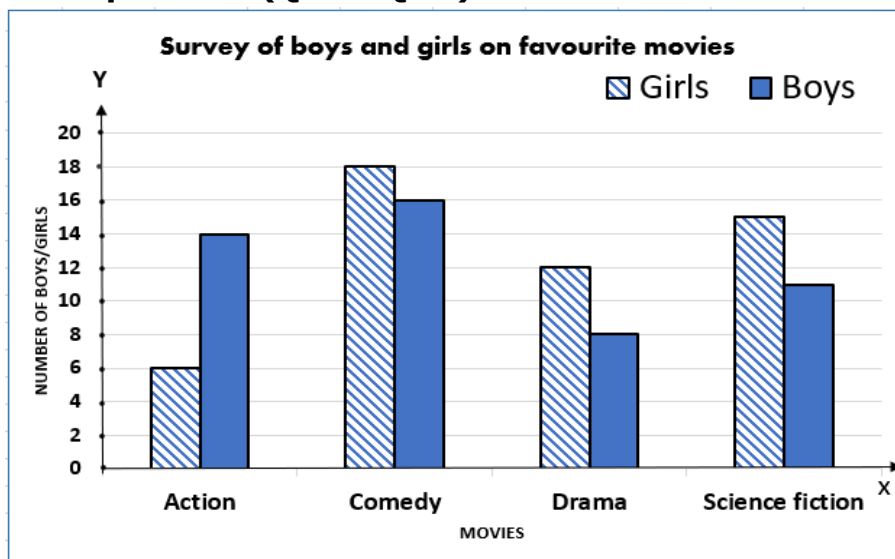
Section D: Case study Questions (Q.15 to Q.16).

Section A: Multiple Choice Question (Q.1 to Q.6) of 1 mark each

1.	A box contains 80 fountain pens. Out of which 25 pens are not working. What is the fraction of pens that are not working?								
A	$\frac{25}{60}$	B	$\frac{5}{80}$	C	$\frac{5}{16}$	D	$\frac{16}{80}$		
2.	What is the reciprocal of a fraction $\frac{4}{23}$?								
A	$2\frac{3}{4}$	B	$\frac{4}{23}$	C	$\frac{23}{4}$	D	$\frac{10}{23}$		
3.	Reema reads $\frac{4}{5}$ pages of a book. If she further reads $\frac{2}{3}$ pages of the book. How many pages of the book did she read in all?								
A	$\frac{8}{15}$	B	$\frac{22}{15}$	C	$\frac{6}{5}$	D	$\frac{24}{3}$		
4.	Small boxes of popcorn weigh 0.6 kg each. How much will 10 boxes weigh?								
A	6.0 Kg	B	6.4 Kg	C	6.6 Kg	D	1.2 Kg		
5.	A milkman delivers 25.50 L of milk in the morning and 23.250 L in the evening. How much milk does he deliver in a day?								
A	47.850 L	B	4857.50 L	C	487.50 L	D	48.750 L		
6.	The total weight of 100 bags of cement is 4106.2 kg. Find the weight of one bag.								
A	4106.2 kg	B	41.062 kg	C	41062 kg	D	4.1062 kg		

Section B: Source-based questions (Q.7 to Q.11) of 1 mark each

The school's Drama teacher surveyed boys and girls on their preference for movies and represented the data in the form of a double bar graph.



7. Which type of movie is the most popular among both girls and boys?

- A** Action **B** Comedy **C** Drama **D** Science fiction

8. Which is the least preferred movie by boys?

- A** Drama **B** Science fiction **C** Action **D** Comedy

9. How many girls like Comedy movies?

- A** 10 **B** 14 **C** 12 **D** 18

10. Find the total number of students who preferred to watch Action Movies.

- A** 20 **B** 12 **C** 24 **D** 25

11. If the cost of one movie ticket is ₹ 545. Calculate the cost of 5 tickets.

- A** ₹ 2475 **B** ₹ 2725 **C** ₹ 2375 **D** ₹ 2075

Section C: Long Answer Questions (Q12 to Q.14)

12. The weight of 8 boxes of Mangoes is 75.2 Kg. Find the weight of one box. **2 marks**

13. In a class of 50 students, $\frac{1}{5}$ of the total number of students like to eat orange candy only, $\frac{2}{5}$ of the total number of students like to eat watermelon candy only and the remaining students like to eat both. **3 marks**

1. How many students like to eat orange candy?
2. How many students like to eat watermelon candy?
3. Find the number of students that like both flavours of candy?

- 14.** Classes VII and VIII students have to choose to join one club from music, Dance, Yoga, and Art & craft. The data given below shows the choices made by girls and boys in the class. Draw a double bar graph using the appropriate scale to depict the below data. **4 marks**

Clubs	Music	Dance	Yoga	Art & Craft
Girls	80	50	60	75
Boys	50	35	70	40

Section D: A case study (Q.15 & Q.16) of 5 marks each

- 15. Case Study-1 (5 marks)**

Students want to decorate their classrooms for an upcoming event. They bought $2\frac{1}{3}$ m of yellow ribbon, $5\frac{1}{6}$ m of red ribbon and $\frac{7}{3}$ m of blue ribbon for decorating their classrooms.



Answer the following questions.

- (I)** Find the total length of the yellow and red ribbons. **(2)**
(II) Find the length of each part if the blue ribbon is divided into five equal parts. **(2)**
(III) What will be the total cost of the blue ribbon if it costs ₹ 3 per metre? **(1)**

- 16. Case Study-2 (5 marks)**

The school management decided to renovate the multipurpose hall of the school. The floor of the hall is 20.5 m long and 9.6 m wide.



Answer the following questions.

- (I)** Calculate the area of the rectangular floor of the multipurpose hall. **(2)**
(II) Find the cost of one tile if the amount paid by the school for 50 new tiles is ₹ 750.50. **(2)**
(III) Express length of the new tile is 130 cm as metre using decimals. **(1)**