QUESTION PAPER

Maximum Marks:40

PERIODIC TEST

CLASS	SECTION	EXAM CODE
7	ROSE	4199831
7	TULIP	4199821

SCHOOL

Him Academy Public School - Hira Nagar

1. There are 28 questions in this paper. 20 of these are with options and 8 are without options. All are compulsory.
2. The questions with options carry 1 mark each. The marks for questions without options have been mentioned beside it.
3. Please check your answers carefully before submitting the test. Once submitted, the answers cannot be changed.

SECTION A

MCQs

Q: 1 **Which of these is/are equal to (-210)?**
I) (-21) × 10
II) 21 × (-10)
III) (-21) × (-10)

1 only I   **2** only II   **3** only I and II   **4** all - I, II and III

Q: 2 **Which of these make the below number sentence true?**
_____ ÷ (-2010) = (-1)

1 -2010   **2** -1   **3** 1   **4** 2010

Q: 3 **Which number would make the below number sentence true?**
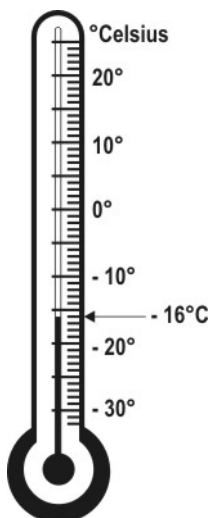(-24) ÷ _____ = (-8)

1 -192   **2** -3   **3** 3   **4** 192

Q: 4 **Sneha is doing an experiment with liquid. She measures the temperature of the liquid with a thermometer and finds it to be -16°C as shown below.**

She wants to heat it to 14°C. She heats it in such a way that the temperature goes up by 2 degrees in one minute. How many minutes will it take for the liquid to heat up to 14°C?

1 1 minute   **2** 7 minutes   **3** 8 minutes   **4** 15 minutes

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Q: 5 **♦ is a number such that ♦ × -89 = a negative integer.**
Which of these is necessarily true about ♦?

1 It has to be a positive integer.
2 It has to be a negative integer.
3 It has to be an integer between -89 and +89.
4 It can be ANY positive integer or negative integer.

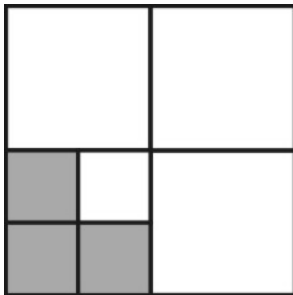**Q: 6** **Which of these is the same as (-6) - (-5)?**

1 (-5) + (-6)　　　　**2** (5) + (-6)　　　　**3** (-5) - (-6)　　　　**4** (5) + (6)

Q: 7 **In which of the following is the associative property expressed correctly?**

i	(-12) × (-15) = (-15) × (-12)
ii	-60 - (-17 + 43) = (-60 - 17) + 43
iii	(50 + 15) + 28 = 50 + (15 + 28)
iv	-22 × (69 × 13) = (-22 × 69) × 13

1 only ii and iii　　　　**2** only iii and iv　　　　**3** only i, iii, and iv　　　　**4** only ii, iii, and iv

Q: 8 **What fraction of the square below is shaded?**

1 $\frac{3}{4} \times \frac{1}{7}$　　　　　　　　　　　　**2** $\frac{3}{4} \times \frac{1}{4}$

3 $\frac{3}{7} \times \frac{1}{7}$　　　　　　　　　　　　**4** $\frac{3}{7} \times \frac{1}{4}$

Q: 9

$$5 \div \boxed{} = 25$$

Which number should come in the box to make the above number sentence true?

1 125　　　　**2** 25　　　　**3** 5　　　　**4** $\frac{1}{5}$

Q: 10 **Which of these signs will you place in the box so that the following expression has the MAXIMUM value?**

$$31 \ \boxed{} \ \frac{43}{79}$$

1 ×　　　　**2** ÷　　　　**3** +　　　　**4** -

Q: 11 **How many minutes are in 7 $\frac{1}{6}$ hours? *(1 Hour = 60 Minutes)***

1 420 minutes　　　　**2** 430 minutes　　　　**3** 2,580 minutes　　　　**4** 4,300 minutes
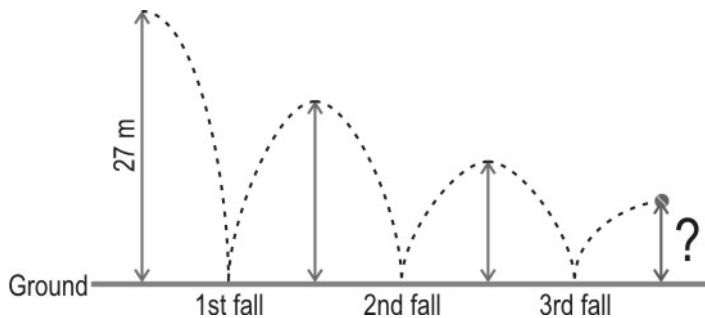
3

Q: 12 What is $6 \times 3\frac{1}{3}$?

1 6

2 $3\frac{1}{18}$

3 $18\frac{1}{3}$

4 20

Q: 13 A rubber ball is dropped from a height of 27 m. Each time it hits the ground, it bounces up to $\frac{2}{3}$ of its previous height.

How high will the ball bounce immediately after its 3rd fall?

1 8 m   **2** 9 m   **3** 12 m   **4** 18 m

Q: 14 Shyam's height when measured in terms of his own footsteps is shown here:

However, Shyam knows that his height is 120 cm. The length of his footstep must then be about

1 12 cm   **2** 16 cm   **3** 18 cm   **4** 21 cm

Q: 15 44 × 785 = 34540. What is 0.44 × 785?

(*Note: You don't have to actually multiply.*)

1 3.454   **2** 34.54   **3** 345.4   **4** 3454

Q: 16 0.102 × 0.01 =

1 0.00102   **2** 0.0012   **3** 0.0102   **4** 0.012

Q: 17 0.40 × 0.60 =

1 0.024   **2** 0.24   **3** 24   **4** 2400

Q: 18 If 42108 ÷ 33 = 1276, what will be 4210.8 ÷ 0.33?

1 1.276   **2** 12.76   **3** 127.6   **4** 12760

Q: 19 □ × 10 = 66.6

Which of the following numbers will fill in the box above?

1 0.666   **2** 6.66   **3** 666   **4** 6660

Q: 20 59 ÷ 0.01 =

1 0.59   **2** 5.90   **3** 590   **4** 5900

SECTION B
Very Short Answer

Q: 21 Find the answer to the division problems below.   [2]

a) 48 ÷ (-3) b) (-350) ÷ (-14)

Q: 22 Multiply and write the answer as an improper fraction in the lowest terms.   [2]

$3\frac{4}{5} \times 1\frac{3}{7}$

Show your steps.

Q: 23 Ram ate $\frac{4}{9}$ of a pizza. Satvik ate $\frac{3}{5}$ of the remaining pizza.   [2]

What fraction of the entire pizza did Satvik eat? Show your steps.

(Note: Give the answer in the simplest form.)

Q: 24 A boy walks 2.50 km in an hour.   [2]

i) Find the distance he will travel in $2\frac{1}{2}$ hours.

ii) Find the time in which he will cover 1 km.

Show your steps and give your answers as decimal fractions up to two decimal places.

(Note: Assume that the speed of walking remains the same.)

SECTION C
Short Answer

Q: 25 In a test which consisted of 50 questions, Tia answered 15 questions correctly and the **[3]** rest incorrectly.

If she was awarded 3 marks for each correct answer and (-2) for each wrong answer, how much marks did she score in the test? Show your work.

Q: 26 Simplify the following using suitable properties: **[3]**

i) (-97) × 55

ii) 999 × 5 + (-995) × (-2)

Show your work.

Q: 27 A kg of salt costs Rs 18 $\frac{3}{4}$. **[3]**

a) What is the cost of 5{1/2} kg of salt?
b) How much salt can be purchased for Rs 100?

Show your steps and give your answer as a mixed fraction.

Q: 28 The table below shows how many Indian rupees we can get when we change the **[3]** money of different Asian countries.

Country	Money	Changed into Indian Rupees
Pakistan	Pakistani Rupee	0.30
Singapore	Singapore Dollar	62.79
Thailand	Baht	2.44

(Note: Exchange rate on 22.11.2024; values rounded to 2 decimal places.)

Based on the above, answer the following:

i) How many Pakistani rupees can we get for 300 Indian rupees?

ii) How much more can we get in Indian rupees for 100 Singapore Dollars as compared to 100 Baht?

Show your work.

End of Questions in Paper

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