INTERNATIONAL INDIAN SCHOOL, DAMMAM
MIDDLE SECTION
TERM 1 WORKSHEET (2025 – 26)

CLASS: VII SUBJECT: MATHEMATICS

CH:1 LARGE NUMBERS AROUND US.

CHOOSE THE CORRECT ANSWER:

1. How many thousands make a million?
(a) 10 (b) 100 (c) 1000 (d) 10000

2. The number for the number name 'Five crore five lakh six thousand seventy' is
(a) 5,50,06,070 (b) 55,06,700 (c) 5,05,06,070 (d) None of these

3. 1 crore ___ 10 million

a) = b) > c) < d) not determined

4. (5672 – 2345) estimated to the nearest hundreds is
(a) 3000 (b) 3300 (c) 2000 (d) 1000
5.Which of the following numbers is the largest?

a) 98,76,543 B) 9,87,65,430 C) 1,23,45,678 D) 87,65,432

6. Assertion (A): The number 5,00,000 is written as 500,000 in the international system of numeration.
Reason (R): The Indian number system and the international number system follow the same grouping pattern after hundreds.

Options:
(a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, and R is also false.

7. Assertion (A): One billion is greater than one crore.
Reason (R): One billion is equal to 100 crore.

Options:
(a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, and R is also false.

Solve the following

8. If a bus covers 500 kilometres every day, can it travel 1 lakh kilometres in 6 months?

9. A calculator has only '+1,000', '+100', and '+10'buttons. Write an expression describing the number of button clicks to be made for the following numbers:
(a) 850
(b) 2,140
(c) 10,500
(d) 7,53,020
10. Complete the following number pattern:
$7 \times 2 =$ _____
$77 \times 2 =$ _____
$777 \times 2 =$ _____
$7777 \times 2 =$ _____
$77777 \times 2 =$ _____

11. Write the numbers given below in both the Indian as well as the International systems:
(a) 4735108
(b) 924860
12. Make necessary reasonable assumptions and answer the following questions:
(a) If a computer processes 1,000 files per minute, can it process 1 crore files in a day?
(b) If a person drinks 3 litres of water daily, can they drink 1000 litres in a year?
(c) If a tap fills 600 litres of water every hour, can it fill a 100,000-litre tank in a day?
Case Study Questions

13. The government allocated: ₹2,56,00,00,000 for Education, ₹4,80,00,00,000 for Health,₹1,50,00,00,000 for Infrastructure.

(i) What is the total budget allocated (in numbers and words)?

(ii) Which sector received the highest allocation?

(iii) What is the difference between the highest and the lowest allocations?

14. The population of Country A is 138,000,000, Country B is 95,000,000, and Country C is 25,000,000.

(i) What is the total population of all three countries?

(ii) Which country has the largest population?

(iii) Write the population of Country A in words?

(iv) How much more is the population of Country A compared to Country B?

(v) Arrange the populations of the three countries in ascending order.

CH :2 ARITHMETIC EXPRESSIONS

CHOOSE THE CORRECT ANSWER:

1. The number of terms in the expression $8 \times 7 + 9$ is ____

(a) 1, (b) 2, (c) 3, (d) 4

2. $15 + 3 =$ _____ $+ 10$

(a) 8, (b) 9, (c) 10, (d) 12

3. $6 \times (7 + 3) =$ _____

(a) $6 \times 7 + 3$, (b) $6 \times 7 \times 3$, (c) $6 \times 7 + 6 \times 3$, (d) $7 + 6 \times 3$.

4. The value of $8 \times 8 - 8 =$ ___

(a) 0, (b) 1, (c) 56, (d) 64.

5. Which of the following is not true?

(a) $(7 + 8) + 9 = 7 + (8 + 9)$ (b) $(7 \times 8) \times 9 = 7 \times (8 \times 9)$ (c) $7 + 8 \times 9 = (7 + 8) \times (7 + 9)$ (d) $7 \times (8 + 9) = 7 \times 8 + 7 \times 9$.

ASSERTION – REASON BASED QUESTIONS.

In the following questions, a statement of Assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not the correct explanation of A.

(c) A is true but R is false.

(d) A is false but R is true.

6. **Assertion:** Adding the terms of the expression $(- 7) + 10 + 8$ in any order gives the same result 11.

Reason: Grouping and reordering the terms do not change the sum.

7. **Assertion:** $9 \times 10 + 3 = 9 \times 10 + 9 \times 3$.

Reason: The multiple of a sum (difference) is the same as the sum (difference) of the multiples.

8. Find the value:

(a) $133 - 19 \times 2 + 15$

(b) $36 - 9 + 2 \times 6 - 16$

(c) $10 - 11 + 12 - 13 + 14 - 15 + 16 - 17 + 18 - 19 + 20$

(d) $3 - 3 + 3 - 3 + 3 - 3 + 3 - 3 + 3 - 3$

(e) $(14 + 6) \times 8$

(f) 24×3

(g) 98×7

9. Write a story/situation for the expression $12 \times 20 - 18$.

Write an expression for the following questions and solve:

10. A store sells 15 boxes of cookies. Each box contains 6 chocolate chip cookies and 4 peanut butter cookies. How many cookies are there in total?

11. Rahul bought 16 toys priced equally for Rs. 1248. An amount of Rs. 252 is still with him after buying the toys. Find the cost of each toy and the total amount of money he had.

12. A farmer has 25 orange trees and 15 apple trees. Each orange tree yields 12 oranges and each apple tree yields 8 apples. What is the total number of fruits the farmer has?

13. Nisha bought 5 pencils each cost Rs.10 and 5 erasers each cost Rs. 6. How much money she has to spend to buy these items?

CASE STUDY QUESTIONS:

14. Arun is going for shopping with his family. They buy 3kg apples cost Rs.75 per kg, 2kg bananas cost Rs. 50 per kg and 1kg oranges cost Rs.60 per kg.

(a) Write an expression for the total cost of fruits.

(b) What is the total cost of fruits?

(c) If Arun has Rs.500, how much money will be left with him after buying the fruits?

15. A school is organizing a field trip for 25 students. Each student needs to pay Rs.200 for the bus and Rs. 50 for snacks.

(a) How much money each student has to pay?

(b) How much money will the school collect in total?

(c) The total distance of the trip is 200 km. If they travel at an average speed of 50 km/hr, how long will it take to reach the destination?

CH :3 A PEEK BEYOND THE POINT

I. Choose the Correct Answer

1) The length of a screw is measured as $2\frac{7}{10}$ cm. How can this be written in decimal form?
(a) 2.07 cm (b) 2.70 cm (c) 2.7 cm (d) 27 cm

2) Which is the correct expanded form of **234.6**?
(a) $200+30+4+6\frac{1}{10}$ (b) $200+3+4+6\frac{1}{10}$ (c) $20+3+4+6\frac{1}{10}$ (d) $2+3+4+6\frac{1}{10}$

3) 1 meter = _____ millimeters.
(a) 10 (b) 1000 (c) 100 (d) 10000

4) Which of the following decimals is equal to $\frac{3}{4}$?
(a) 0.34 (b) 0.25 (c) 0.5 (d) 0.75

5)Mahi purchases 0.25 kg of beans, 0.3 kg of carrots, 0.5 kg of potatoes, 0.2 kg of capsicums, and 0.05 kg of ginger. What is the total weight of the vegetables?
(a) 1.1 kg (b) 1.2 kg (c) 1.3 kg (d) 1.5 kg

6) Assertion (A): 0.20.20.2, 0.200.200.20, and 0.2000.2000.200 represent the same decimal number.
Reason (R): Adding zeros to the right of a decimal number does not change its value.

a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.

c) A is true, but R is false.
d) A is false, but R is true.

7) Assertion (A): 0.9 is closer to 1 than 1.01.
Reason (R): The difference between 0.9 and 1 is 0.1, whereas the difference between 1.01 and 1 is 0.01.

a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true, but R is false.
d) A is false, but R is true.

II) Solve the following:

8. Write 56.804 in expanded form.

9) Arrange 3.09, 3.9, 3.090, 3.109 in ascending order.

10) Find 18.75+6.8+0.47

11) Find 12.5−7.68

12) In 7.325 what is the **place value** of digit 2?

13**)** Find 3.8×2.5

14) **a).** A fruit vendor sells 0.75kg grapes and 1.25 kg apples in the morning, and 2.5 kg bananas in the evening. What is the **total** mass of fruits sold?

III. Case study Questions:

15) Tinku noted his weight for 3 months:

- January: 35.75 kg
- February: 34.50 kg
- March: 36.25 kg

Questions:

1. From Jan to Feb, did he gain or lose weight? By how much?
2. From Feb to Mar, did he gain or lose weight? By how much?
3. What is the difference between the highest and lowest weight?
4. Find his average weight over 3 months.

CH:8 WORKING WITH FRACTIONS

MULTIPLE CHOICE QUESTIONS:

1. If each row represents $\frac{1}{3}$ and each column represents $\frac{1}{4}$ in a grid, one shaded cell represents which fraction of the whole?

a)$\frac{1}{12}$ b)$\frac{1}{7}$ c)$\frac{1}{3} \times \frac{1}{4}$ d) Both a and c

2. Identify the result of multiplying $\frac{2}{3} \times \frac{4}{5}$:

a)$\frac{6}{15}$ b)$\frac{8}{15}$ c)$\frac{10}{12}$ d)$\frac{3}{5}$

3. What fraction of land is left with Raju if others take $\frac{1}{6}, \frac{5}{12}$ and $\frac{5}{18}$?

a)$\frac{31}{36}$ b)$\frac{11}{18}$ c)$\frac{5}{18}$ d)$\frac{5}{36}$

4. If a car runs 16km per litre petrol, how far it can go in $2\frac{3}{4}$ litres?

a)48 km b)43km c)11km d)44 km

5. When one of the numbers being multiplied is between 0 and 1, the product is _____ than the other number.

a) Greater b) less c) equal to d) not equal

ASSERTION REASON:

6. ASSERTION (A): $\frac{1}{3} \times \frac{1}{5} = \frac{1}{15}$

REASON(R): R: Multiplication of fractions divides the whole into rows and columns, then multiplies those.

a) Both A and R are true, R is correct explanation of A.
b) Both A and R are true, but R does not explain A.
c) A is true, R is false.
d) A is false, R is true.

7. Assertion (A): Reciprocal of $\frac{2}{5}$ is 5
Reason (R): Reciprocal of a fraction is obtained by interchanging numerator and denominator.

a) Both A and R are true, and R is correct explanation of A.
b) Both A and R are true, but R does not explain A.
c) A is true but R is false.
d) A is false but R is true.

SOLVE THE FOLLOWING:

8. Multiply and convert into a mixed fraction
a)$\frac{3}{5} \times 7$ b) $6 \times \frac{9}{7}$
9. Find the following products. Use a unit square as a whole for representing the fractions:
a)$\frac{1}{6} \times \frac{1}{5}$ b) $\frac{1}{4} \times \frac{2}{5}$
10. Which is more:
$\frac{3}{5}$ Of 3litres or $\frac{2}{15}$ of 4500ml

11. Evaluate the following:
a) $4 \div \frac{7}{16}$ b) $\frac{3}{11} \div \frac{8}{11}$

12. A baker needs $\frac{3}{4}$ kg of flour to make one loaf of bread. He has 12 kg of flour. How many loaves of bread can he make?
CASE STUDY:
13. A box has 60 chocolates. Rani gets $\frac{1}{4}$ of them, Reema gets $\frac{1}{3}$ of them, and the rest go to Rahim.

1. How many chocolates does Rani get?
2. How many chocolates does Reema get?
3. What fraction and number of chocolates go to Rahim?