

BCM SCHOOL BASANT AVENUE, DUGRI

CLASS -VI

SUBJECT –MATHEMATICS (041)

DECEMBER-ASSIGNMENT (2023-2024)

Chapter-5,6,10

1. The sides of a rectangle are in the ratio 7:5 and its perimeter is 96 cm. The length of the rectangle is
a) 21 cm b) 28 cm c) 35 cm d) 14 cm
2. The sum of two integers is -13. If one of them is 8 then the other is
a) -5 b) -21 c) 21 d) 5

3. Assertion (A) – A trapezium is a convex quadrilateral with exactly one pair of opposite sides parallel to each other.

Reason (R) – A two-dimensional quadrilateral that has a pair of non-adjacent parallel sides and a pair of non-parallel sides is referred to as a trapezium shape.

- 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.

4. CASE STUDY QUESTION:

Sports are very essential for every human life which keeps them fit and fine and physical strength. It has great importance in each stage of life. It also improves the personality of people. Keeping it in mind, our school organizers annual athletic meet for students in which every student take part in different sports. In race competition, Sunakashi take 3 rounds of hexagonal park of side 25 cm and Maheepjot take 4 rounds of rectangular park having dimensions 30 cm and 15 cm. Read the passage and answer the following questions:

- a) What is the total distance covered by Sunakashi?
- b) What is the total distance covered by Maheepjot?
- c) Who covered more distance and by how much ?

SUBJECTIVE QUESTION:

5. A lane , 150 m long and 9 m wide, is to be paved with bricks, each measuring 22.5 cm by 7.5 cm. Find the number of bricks required to pave the lane.
6. Add -36 to the difference of -8 and -68.
7. Draw a line segment PQ=5.6 cm and draw an angle of 75° at Q.

