BRAIN INTERNATIONAL SCHOOL

MATHEMATICS ASSIGNMENT   CLASS-VI   OCTOBER 2024

INTEGERS

1. Write all integers between

    a) 0 and 6

    b) −3 and 3

2. Fill in the blanks with >, < or = sign.

    a) $(-5) + (-4)$ _____ $(-5) - (-4)$

    b) $(-52) - (-24)$ _____ $(-24) - (-52)$

3. Write 5 negative integers more than (–7).

4. Add : (–2056) and 679.

5. Write the successor of (–57).

6. Find the additive inverse of (–1001).

7. Subtract : (–3012) from 6250.

8. Find: (a) $(-31) + 13 - 9 - 2$

    (b) $(-17) + (-19) + 14 + 16$

9. Draw a number line and answer the following:

    a) Find the integer which is 6 more than (– 4) ?
    b) If we are at (– 2) on the number line, in which direction should we move to reach 6?
    c) Which number will we reach if we move 5 numbers to the left of 2.

10. The sum of two integers is (–13). If one of the numbers is 170, find the other.
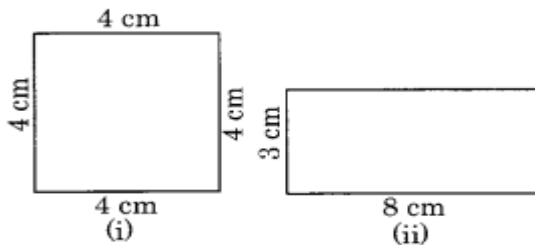
MENSURATION

Q1. Calculate the perimeter:
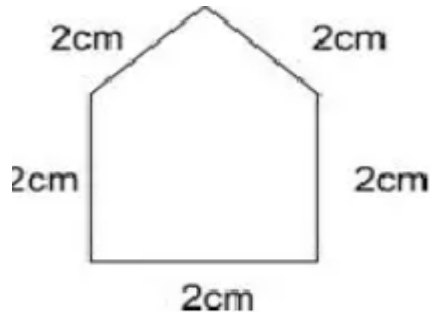
Q2. Find the perimeter of Square whose side is 13cm.

Q3. Which of the following figure has greater perimeter?

Q4. Find the length of a rectangle given that its perimeter is 880 m and breadth is 88 m.

Q5. A rectangular park is 30 metres long and 20 metres broad. A steel wire fence is put up all around it. Find the cost of putting the fence at the rate of ₹15 per metre.

Q6. Find the total Perimeter of each of the following shapes given below:

  (a) A normal triangle of sides 3 cm, 4 cm and 5 cm

  (b) An equilateral triangle on each side of 9 cm

  (c) An isosceles triangle with equal sides of 8 cm each and the third side of 6 cm.

Q7. How many tiles of length and breadth 12 cm and 5 cm, respectively, will be needed to fit in the following rectangular region whose length and Breadth are found to be?

  (i) 100 cm and 144 cm

  (ii) 70 cm and 36 cm