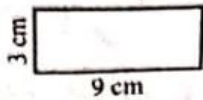




Date: 25th May, 2020 Sainik Coaching

Maths H.W

Read the concept & content (area & perimeter). Also understand and solve these Q 5 to Q11.



Breadth of rectangle = 3 cm.
∴ Area of rectangle = 9×3 sq. cm.
= 27 sq. cm.

Also, perimeter of rectangle
= $2(\text{Length} + \text{Breadth}) = 2(9 + 3)$ cm
= 2×12 cm. = 24 cm. Ans.

5. Find the area of four walls of a room if its length is 19 metres and breadth is 16 metres if the height of walls is 9 metres.

Solution:

Length (l) = 19 m.
Breadth (b) = 16 m.
Height (h) = 9 m.
Area of four walls = $2(l + b)h$
= $2(19 + 16) \times 9$
= $2 \times 35 \times 9$
= 630 sq. m. Ans.

6. Find the area and perimeter of a rectangle whose side are 5 m and 4 m.

Solution:

Area of a rectangle = Length \times Breadth
Area of a rectangle = $5 \times 4 = 20$ m²
Perimeter of the rectangle
= $2(\text{Length} + \text{Breadth})$
= $2(5 + 4)$
= 18 m Ans.

7. Area of a square kitchen garden is 16,900 square meters. Find its perimeter.

Solution:

Side of the square = $\sqrt{\text{Area of the square}}$
= $\sqrt{16,900}$

∴ Side of the square = 130 m.
Perimeter of the square = $4 \times \text{Side}$
∴ Perimeter of the square = 4×130
= 520 m. Ans.

8. Find the area of a semi circular plate of diameter 14 cm.

Solution:-

$a = 14$ cm., $r = 7$ cm.

Area of a semi circle = $\frac{1}{2} \pi r^2$

$$\begin{aligned} &= \frac{1}{2} \pi \times 7^2 \\ &= \frac{1}{2} \times \frac{22}{7} \times 7 \times 7 \\ &= 77 \text{ cm}^2 \text{ Ans.} \end{aligned}$$

9. The floor of a room is rectangular in shape. Its length is 6 metres and breadth 5 metres. If the area of its four walls is 110 sq. metres, what is its height?

Solution:

$2(\text{Length} + \text{breadth}) \times \text{height} = \text{Area of four walls}$

$$\begin{aligned} 2(6 + 5) \times \text{height} &= 110 \\ \therefore 2 \times 11 \times \text{height} &= 110 \end{aligned}$$

$$\therefore \text{height} = \frac{110}{2 \times 11} = 5 \text{ metres. Ans.}$$

10. The perimeter of a rectangle is 240 metres and the ratio of the length to the breadth is 5 : 3. Find the area of the rectangle.

Solution:

$$5 + 3 = 8$$

Sum of the length and breadth

$$= \frac{1}{2} \times \text{perimeter}$$

$$= \frac{1}{2} \times 240 = 120 \text{ m}$$

When sum of length and breadth of the rectangle is 8 m, its length = 5 m.

$$\therefore \text{When the sum is 120 m, length} = \frac{5 \times 120}{8}$$

$$= 5 \times 15 = 75 \text{ m.}$$

∴ When sum of its length and breadth is 8 m its breadth = 3 m.

∴ When sum of its length and breadth is 120

$$\text{its breadth} = \frac{3 \times 120}{8} = 45 \text{ m.}$$

$$\therefore \text{Area of the rectangle} = 75 \times 45 = 3,375 \text{ m}^2 \text{ Ans.}$$

11. Floor of a room is $8\frac{1}{2}$ m. \times 5 m. How many bricks 20×10 cm. will be required to make the brick floor?

Subject: Hindi

विलोम शब्द

241. गड़बड़ - सही
242. गड़मड़ - सिलसिलेवार
243. गंधाहारक - गंधदायक
244. गंधीला - सुगन्धित
245. गंभीर - सहज
246. गँवई - शहरी
247. गँवाना - पाना
248. गँवार - शहरी ,होशियार
249. गणतंत्र - राजतंत्र
250. गणनीय - अगणित
251. गण्य - नगण्य
252. गत - आगत
253. गति - अगति
254. गतिमान - स्थिर
255. गतिरोध - निर्विरोध
256. ग़दर - शांति
257. घंटा - घंटी
258. घंटा - पल
259. घटती - बढ़ती
260. घटाना - बढ़ाना



261. घटाव - जोड़
262. घटित - अघटित
263. घनिष्ठ - बहिरंग
264. घनेरा - नगण्य
265. घमंडी - विनयी
266. घमासान - सामान्य
267. घाटी - पर्वत
268. घायल - दुरुस्त
269. घात - प्रतिघात
270. घमंड - विनय
271. घोषित - अघोषित
272. रचना - विनाश
273. रत - विरत
274. राजतंत्र - प्रजातंत्र
275. रिक्त - पूर्ण
276. रंगीन - रंगहीन
277. लोभी - संतोषी
278. लेन - देन
279. लौह - स्वर्ण
280. वन - मरू

Subject: English

To fill the exercise.

5. My younger sister the novel for one hour. (read)
6. Anupam with his friend since 6.00 p.m. (gossip)

VIII. Match the words in Column A, B and C. Make complete sentences in the present perfect tense:

A	B	C
1. Charles Dickens	has retired	the flag.
2. The snake	has hoisted	into the hole.
3. The Prime Minister	have loved	their children since the dawn of history.
4. Sourav Ganguly	has crawled	Dr. Manmohan Singh.
5. Amitabh Bachchan	has written	from cricket.
6. Parents	have gone	in many films.
7. Sania Mirza	has acted	Oliver Twist.

1. Charles Dickens has written Oliver Twist.
2.
3.
4.
5.
6.
7.

X. Change the following sentences as directed against each:

- | | |
|--|--------------------------|
| 1. Ishan scored above 90% marks in his examination. | (Negative) |
| 2. Children are studying in the classroom. | (Interrogative) |
| 3. Mrs. Mehta asked her son what he was doing. | (Wh-question) |
| 4. Nikita's father has gone on a business tour. | (Negative) |
| 5. This is not an honest opinion. | (Affirmative) |
| 6. Have you not seen any film yet? | (Statement) |
| 7. Will you lend me some money? | (Affirmative) |
| 8. We should respect our elders. | (Interrogative) |
| 9. She has a doll. | (Negative-Interrogative) |
| 10. Does he exercise in the morning? | (Affirmative) |
| 11. My mother has spent all her life in the service of the poor. | (Wh-question) |
| 12. It has been raining for three hours. | (Negative) |