

CBSE Sample Paper for Class 6 Hindi

Section – A

Question 1 : $\frac{2}{5} + \frac{3}{5} + \frac{11}{20}$ is equal to :

- (a) $\frac{25}{20}$
- (b) $\frac{24}{20}$
- (c) $\frac{28}{20}$
- (d) $\frac{19}{20}$

Answer : (b) $\frac{24}{20}$

Question 2 : An equilateral triangle has:

- (a) 1 lines of symmetry
- (b) 2 lines of symmetry
- (c) 3 lines of symmetry
- (d) None of these

Answer : (c) 3 Lines of symmetry

Question 3: The absolute value of -10 is:

- (a) -10
- (b) 10
- (c) -11
- (d) -9

Answer : (b) 10

Question 4: The smallest positive integer is:

- (a) 0
- (b) 1
- (c) Not determined
- (d) None of these

Answer : (b) 1

Question 5: Perimeter of a rectangle of a length 7.5 cm and breadth 3 cm is:

- (a) 21 cm
- (b) 22 cm
- (c) 23 cm
- (d) None of these

Answer : (a) 21 cm

Question 6: Digit at the tenths place in 256.96 is:

- (a) 2
- (b) 6
- (c) 5
- (d) 9

Answer : (d) 9

Question 7: 5 more than a number:

- (a) $5x$
- (b) $5+x$
- (c) $5-x$
- (d) $5/x$

Answer : (b) $5+x$

Question 8: Which instrument is used to draw arcs and circles

- (a) Scale
- (b) Compass
- (c) Set square
- (d) Protector

Answer : (b) compass

Question 9: How many arcs are to be drawn to construct an angle of 90°

- (a) Five
- (b) Seven
- (c) Three
- (d) One

Answer : (a) five

Question 10: Perimeter of a square of side 6.7 cm is:

- (a) 24.6 cm
- (b) 26.8 cm
- (c) 27.5 cm
- (d) 28.8 cm

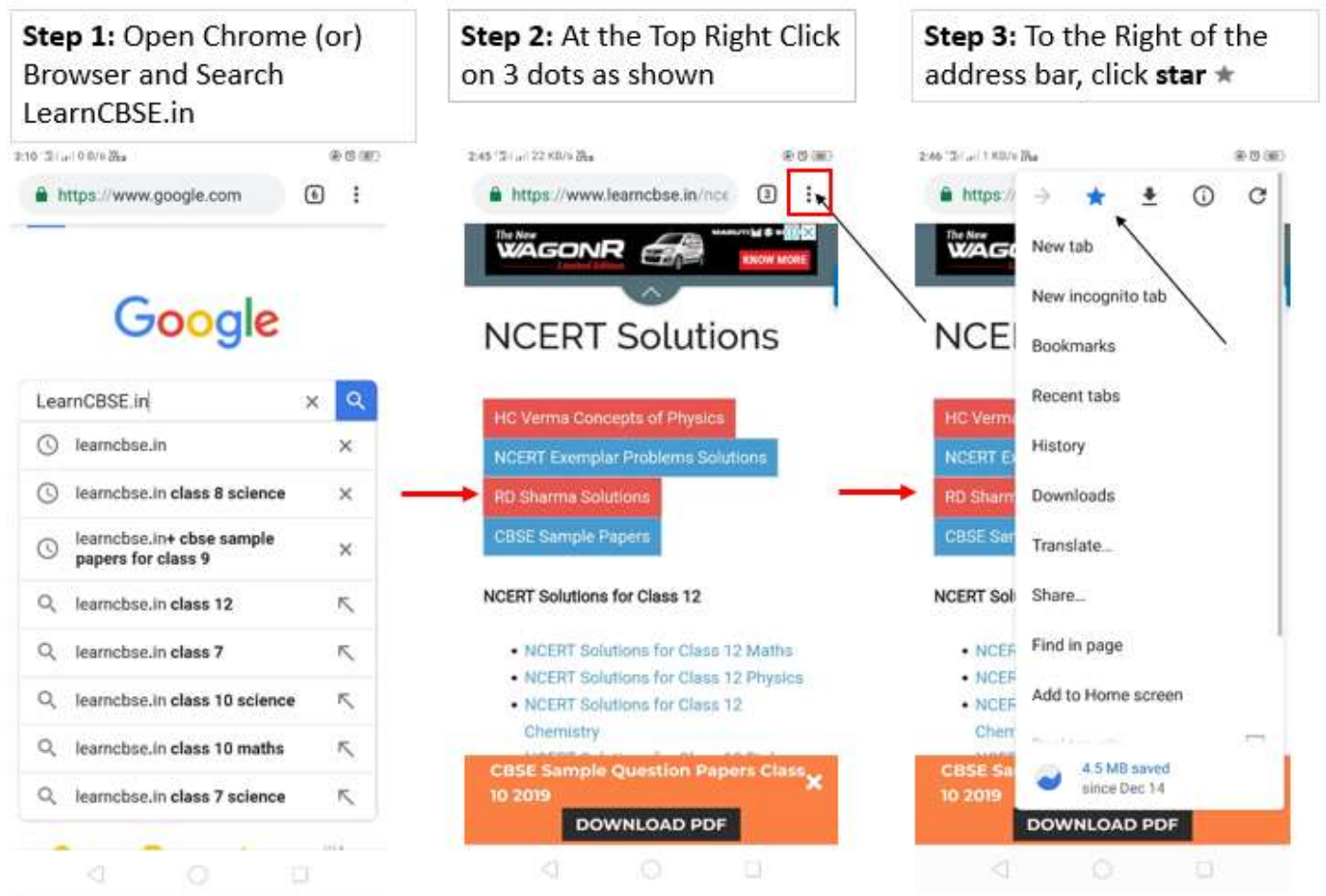
Answer : (b) 26.8 cm

Section – B

Question 11: Solve $(-32) - (-50)$

Answer : $-32 - (-50)$

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- $-32 + 50$
- 18 ans.

Question 12: Convert 72 cm into metre.

Answer : 1 meter = 100 cm

- $72 \text{ cm} = 72/100$
- 0.72 m ans.

Question 13: Find the sum:

$$27.076 + 0.55 + 0.004$$

Answer :

- $27.076 + 0.55 + 0.004$
- 27,630 ans.

Question 14: Mr. Bansal spends Rs. X daily and saves Rs. Y per week what is his income for two weeks?

Answer : Income for 1 week = Rs. $(y + 7x)$

- Income for 2 week = Rs. $2(y + 7x)$
- Rs. $(2y + 14x)$ ans.

Question 15: Arrange the following decimals in ascending order:

$$0.8, 8.8, 8.08, 88.8, 0.08$$

Answer : Decimals arranged in ascending order are:

- 0.08, 0.8, 8.08, 8.8, 88.8

Question 16: Subtract $17/6$ from $33/4$

Answer : $33/4 - 17/6$

- $(99 - 34)/12$
- $65/12$ ans.

Question 17: The side of a square is 14 cm, find its area.

Answer : Side of a square = 14 cm

- Area of square = $(\text{side})^2$
- $(14 * 14) = 196 \text{ cm}^2$ ans.

Question 18: Find the value of $12/15 = 7/15$

Answer : $12/15 = 7/15$

- $(12 - 7)/15$
- $5/15$
- $1/3$ ans.

Section – C

Question 19: There are 20 girls and 45 boys in a class

- (a) What is the ratio of number of girls to the number of boys?
- (b) What is the ratio of number of girls to total number of students in the class?

Answer : Number of girls = 20

- Number of boys = 45
- (a) ratio of number of girls to no. of boys = 20:45
4:9
- (b) Total no. of students in the class = 20 + 45 = 85
Ratio of no. of girls to total no. of students = 20:85
4:17

Question 20: The length and breadth of a rectangular field are in the ratio 3:2 the cost of covering the field at Rs. 6.50 per meter is Rs. 520. Find the dimension of the field,

Answer : Let the length = $3x$ m

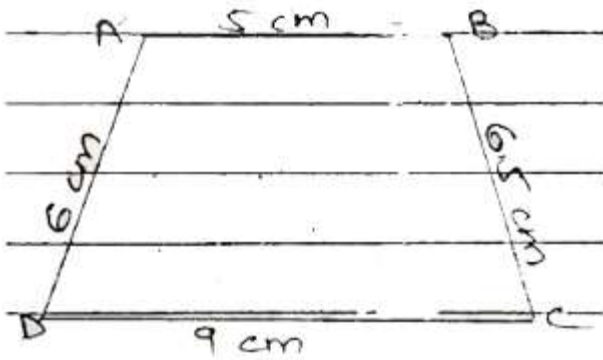
- The breadth = $2x$ m
- Perimeter of the field = $2(3x + 2x)$
- $10x$ m
- According to question
- Perimeter of the field = (Total cost)/(Rate per meter)
- $520/6.5$
- 80m
- Therefore, $10x = 80$
- $x = 80/10$
- 8
- Dimension of the field will be (3×8) m and (2×8) m or 24m and 16m.

Question 21: A wire of length $7/8$ m is broken into two pieces. If the length of 1 piece is $1/4$ m what is the length of other piece?

Answer : Total length of wire = $7/8$ m

- Length of one piece = $1/4$ m
- Length of other piece = $(7/8 - 1/4)$ m
- $(7 - 2)/8$
- $5/8$ m

Question 22: Find the perimeter of the adjacent figure.

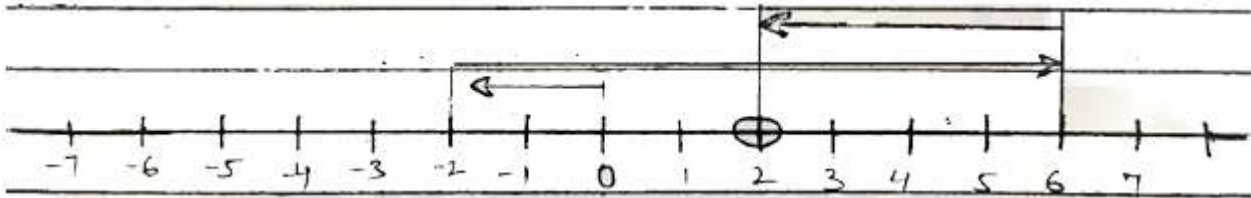


Answer : Perimeter of figure = sum of all sides

- $(5 + 6.5 + 9 + 6)$ cm
- 26.5 cm

Question 23: Solve $(-2) + (8) + (-4)$ on the number line,

Answer :



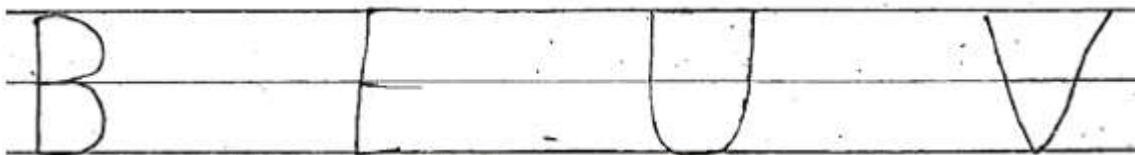
Question 24: Write coefficients of:

- a in $5ab^2c$
- ab in $-5abc$
- y in $-3xy$

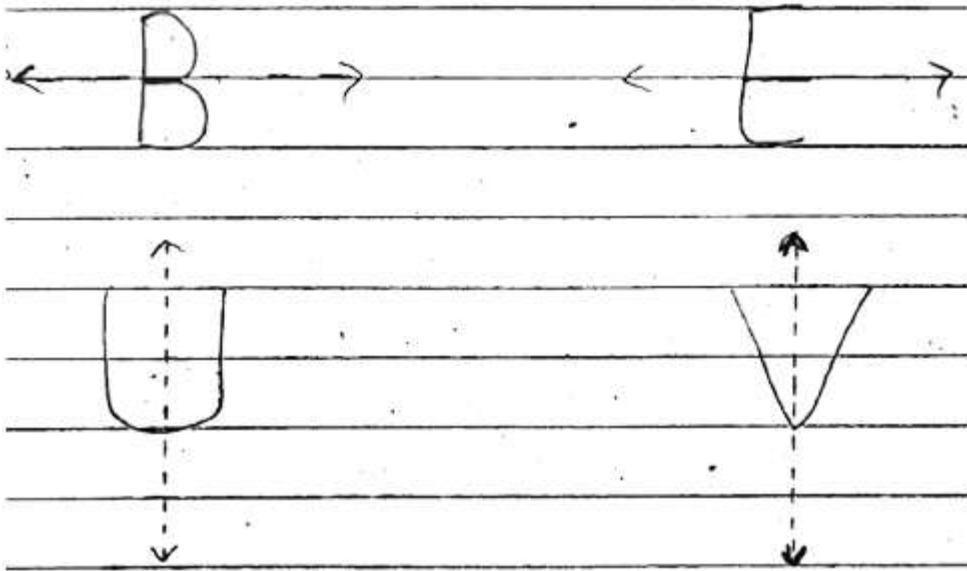
Answer :

- Coefficient of a in $5ab^2c$ is $5b^2c$
- Coefficient of ab in $-5abc$ is $-5c$
- Coefficient of y in $-3xy$ is $-3x$

Question 25: Draw the line symmetry for the following English alphabets:



Answer :



Question 26: The cost of a pen is Rs. $\frac{19}{3}$ and that of a pencil is Rs. $\frac{21}{5}$, which costs more and by how much?

Answer : The cost of a pen = Rs. $\frac{19}{3}$

- The cost of a pencil = Rs. $\frac{21}{5}$
- The cost of a pen is more = Rs. $(\frac{19}{3} - \frac{21}{5})$
- $(\frac{95 - 63}{15})$
- $\frac{32}{15}$ ans.

Question 27: Urmila's school at a distance of 5 km 350m from her home, she travels 1 km 70 m on foot and rest by bus, How much distance does she travel by bus?

Answer : Distance of school from home = 5 km 350 m

- Distance covered on foot = 1km 70 m
- Distance travelled by bus = (5 km 350 m – 1 km 70 m)
- 3 km 280 m ans.

Question 28: Express the following as an using decimals :

- 2 mm
- 30 mm
- 4 cm 2 mm

Answer :

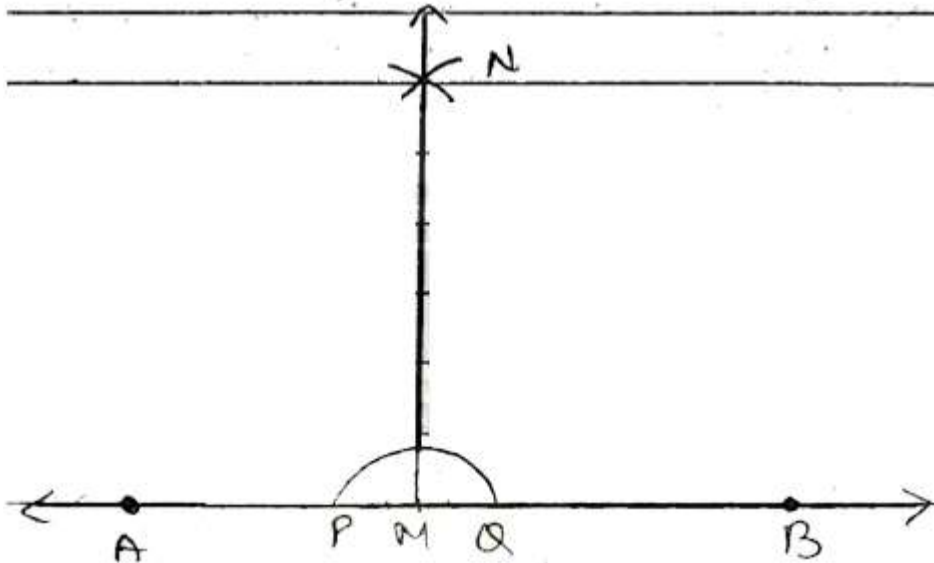
- $\frac{2}{10}$ cm = 0.2 cm
- $\frac{30}{10}$ = 3 cm
- $4 + \frac{2}{10}$ = 4.2 cm

Section – D

Question 29: Draw any line segment . Mark any point M on it. Through M draw a perpendicular to .
(Use ruler and compass)

Answer :

- Step 1: Given a point M on the line – segment .
- Step 2: with M as center and a convenient radius, construct part of circle(arc) intersecting the line – segment at P and Q



- Step 3: with P and Q as center and radius greater than pm construct two arcs.
- Step 4: Join MN. Then MN is perpendicular to .

Question 30: Add the following

(a) $25/8 + 17/12$

(b) $11/3 + 11/6 + 2$

Answer :

(a) $25/8 + 7/12$

- $(75 + 34)/24$
- $109/24$ ans.

(b) $11/3 + 11/6 + 2$

- $(22 + 11 + 12)/6$
- $45/6$
- $5/12$ ans.

Question 31: A marble tile measures 25 cm by 15 cm. how many tiles will be required to cover floor of dimensions of 10 m and 3 m?

Answer : Area of floor $10\text{m} * 3\text{m}$

- 30m^2
- Area of tile = $25\text{ cm} * 15\text{ cm}$
- 375 cm^2
- No. of tiles = (Area of floor) / (Area of tile)
- $(30 * 100 * 100) / 375\text{ cm}^2$
- 800 tiles ans.

Question 32: Cost of 4 dozens bananas is Rs. 60. How many bananas can be purchased for Rs.12.50?

Answer : In Rs. 60 no. of bananas purchased = 48

- In Rs. 1 no. of bananas purchased $48/60$
- In Rs. 12.50 no. of bananas purchased = $40/60 * 12.50$
- $4/5 * 1250/100$
- $2 * 5$
- 10 bananas

Question 33: Find the cost of fencing a rectangular park of length 175m and breadth 125m at the rate of Rs. 12 per meter.

Answer : Length of the rectangular park = 175m

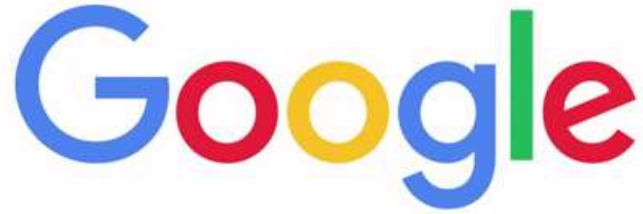
- Breadth of the rectangular park = 125m
- Perimeter of park = $2(l + b)$
- $2(175 + 125)\text{m}$
- $2 * 300$
- 600m
- Cost of one meter of wire = Rs. 12
- Cost of fencing the rectangular park = $\text{Rs. } 12 * 600\text{m}$
- Rs. 7200 ans.

Question 34: Give expressions in the following cases:

- 11 added to $2m$
- 5 times y to which 5 is added
- 3 times y from which 3 is subtracted
- 11 subtracted from $2m$

Answer :

- $2m + 11$
- $5y + 5$
- $3y - 3$
- $2m - 11$



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RS Aggarwal Class 6 Solutions

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