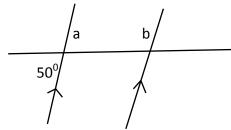
Grade 9

mathematics

covid – 19 - weekly school

December – 4th week

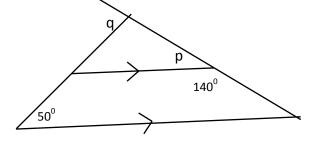
- 01. Consider the number sequence with nth term 5n-2. 63, is this a term of this number sequence?
- 02. Simplify $1011_{two} 101_{two}$
- 03. Simplify 1/2 + 3/7 of 2/3
- 04. A discount of 8% offered when an electrical appliance set of market price rs.12000 is purchased. How much needs to be paid when purchasing it?
- 05. Solve. a/3 2 = 8
- 06. Express the (x+5) (x-3) product as a trinomial quadratic expression.
- 07. Find the values of a and b.



- 08. A cuboid shape tank of base area 240cm² is filled with 1.8/ of water. Find the height of the container.
- 09. Simplify and express the answer in scientific notation.

$$5.23 \times 10^4 - 2.23 \times 10^4$$

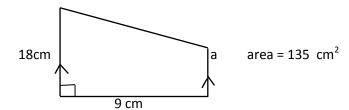
- 10. The price of a milk tofees is 72 rupees. How many milk tofees can be bought for 20 rupees?
- 11. Fins the values of p and q in the figure given below.



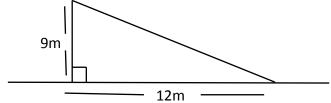
- 12. Solve. x/4 = (x+3) / 5
- 13. Find x in the y=mx+c equation with y,m,c.
- 14. \mathcal{E} = { whole numbers between 0 and 10 }

A = { prime numbers between 0 and 10 } Find $n(A^{/})$

- 15. Find the values of b and c in (x+3) (x+8) = x^2 + bx + c
- 16. Find the length as indicated a in the figure given bellow.



- 17. The sum of the interior angles of polygon is 1440° . Find the number of sides of the polygon.
- 18. The figure indicated an iron post which was collapsed due to decay. Find the height of the post before collapsed.



- 19. There are 10 identical cards numbered from 1 to 10 in a box. When drawing a cord at random from the box, find the probability of drawing a card with a prime number.
- 20. Simplify using indices.

$$\frac{(2p)^{-2} \times (2p)^3}{(2p)^4}$$