GEOMETRY BASICS-1

[1] What is the complement of an angle that measures 58°?

[2] In the figure below, two lines intersect to form $\angle A$, $\angle B$, $\angle C$, and $\angle D$.





[3] In the figure below, two lines intersect to form $\angle A$, $\angle B$, $\angle C$, and $\angle D$.



TIME-30 MINUTES

[6] Find x if triangle ABC is a right triangle.



[7] Find the height h of the trapezoid so that its area is equal to 400 square cm.



[8] Define the following terms with an example:

(i) Reflex Angle (ii) Obtuse Angle (iii) Scalene Triangle

(iv) Rational Numbers (v) B.O.D.M.A.S (vi) Closed for division

[9] (i) Find the lowest common multiple of 24, 36 and 40.

- (ii) 252 can be expressed as a product of primes as:-
- (iii) Find the highest common factor of 36 and 84.
- (iv) The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:

[10] If a=7, b=9 and c=11

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Find (a^3+b^2c+c^2a^2+abc) of (abc^2)
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TIME-30 MINUTES