INDIAN SCHOOL AL WADI AL KABIR
MATHEMATICS, WINTER BREAK HOLIDAY HOMEWORK FOR CLASS: VII

QN.	ANSWER THE FOLLOWING QUESTIONS BY WRITING PROPER STATEMENTS AND SHOWING PROPER WORKING WHEREVER REQUIRED:-	ANSWER
1.	Suhana sells a sofa set for ₹ 9600 making a profit of 20%. What is the Cost price of the sofa set?	₹8000
2.	If Meenakshee pays an interest of ₹ 1500 for 4 years on a sum of ₹ 2500, find the rate of interest?	15%
3.	If the angles of a triangle are in the ratio 1:2:3, find the measure of the angles and also classify the type of triangles in two different ways?	$30°, 60°, 90°$
4.	Anita scored 320 marks out of 400 marks and Rita scored 450 marks out of 500 marks. Whose performance is better?(use the concept percentage)	Rita's performance
5.	A computer costing ₹ 60000 one year ago now costs ₹ 40000. Find the percentage increase or decrease in the price?	Decrease $33\frac{1}{3}\%$
6.	A dealer buys a watch for ₹ 580 and sells it for ₹ 667. Find his profit and profit percent?	₹87, 15%
7.	An item was sold for ₹ 532 at a loss of 5%. What was its cost price?	₹ 560
8.	Find the simple Interest on ₹1500 at 6% per annum for 3 years. Also find the amount?	₹ 270, ₹1770
9.	On a certain sum the interest paid after 3 years is ₹ 450 at 5% rate of interest per annum. Find the sum?	₹3000
10.	The exterior angle of a triangle is of measure 70° and one of its interior opposite angles is of measure 25°. Find the measure of other interior opposite angle?	45°
11.	How long will it take for ₹2500 invested at the rate of 8% per annum simple interest to amount to ₹ 3100?	3 years
12.	Check whether 4cm, 5cm, 6cm forms the sides of a right angled triangle. Show proper working?	no
13.	PQR is a triangle right angled at P. If PQ = 10 cm and PR = 24 cm, find QR.	26cm
14.	A 15m long ladder reaches a window 12m high from the ground on placing it against a wall. How far is the foot of the ladder from the wall?	9m
15.	If the diagonals of a rhombus measure 10cm and 24cm, find its perimeter?	52cm
16.	The perimeter of the floor of the rectangular room is 18m and its length is 5m, find a) Breadth of the room b) Floor area of the room c) The cost of flooring the room at the rate of ₹85 per m^2?	4m 20 m^2 ₹1700
17.	The area of the rectangular plot of land is $340m^2$ and its breadth is 17 m. Find the cost of fencing the plot at the rate of ₹5 per meter?	₹370
18.	A wire is in the shape of a square of side 10cm. if the wire is rebent into a rectangle of length 12cm find its breadth. Which shape encloses more area and by how much?	8cm, square by $4cm^2$
19.	The area of the square and rectangle are equal. If the sides of the square is 40cm, the breadth of the rectangle is 25cm, find the length of the rectangle. Also find the perimeter of the rectangle?	Length=64cm, perimeter= 178cm
20.	The perimeter of a square is 24cm. find the side of the square and hence find the area?	6cm, $36cm^2$

Submission Date: 16ᵗʰ Jan 2018