INDIAN SCHOOL AL WADI AL KABIR

Holiday Homework: 2019-2020

Class: VII Mathematics Submission Date:19/01/2020

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Descriptive Type Question

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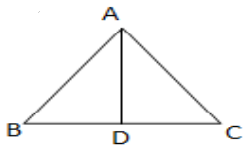
| **Q1.** | Construct a ΔRBI in which ∠IRB=60° , BI=5.7 cm, ∠RBI = 90° |
| **Q2.** | In how many years will ₹900 yield a simple interest of ₹324 at 12% per annum? |
| **Q3.** | From the basket full of eggs, 20 % of the eggs broke and 25% of the eggs were reserved for the guests. The remaining 22 eggs were consumed by the family members. How many eggs were there in the basket? How many broke and how many were kept for the guests? |
| **Q4.** | A shopkeeper bought an oven for ₹5000 and sold it for ₹6500. He paid ₹200 as transportation charges. Find the gain or loss. |
| **Q5.** | The window of a room is 20m long and 14m wide. If the carpenter works to put a metallic frame around it which costs ₹120 per meter, then how much will the metallic frame cost? |
| **Q6.** | The length and breadth of a rectangular field are in the ratio 3:2. If the area of the field is 5046 $m^2$, find the cost of fencing it at ₹ 62.50 per m. |
| **Q7.** | If three angles of a triangle are in the ratio 3:7:10, show that triangle is right – angled. |
| **Q8.** | A ladder, 100m long reaches a point on the high-rise building that is 80m above the ground. If the ground is horizontal, how many meters from the foot of the building is the foot of the ladder? |
| **Q9.** | In fig. AB = AC, D is the midpoint of BC.<br>(i)Is $\Delta$ ADB $\cong$ $\Delta$ADC (ii) Is $\angle B = \angle C$?<br>  |
| **Q10.** | If the side of a square is doubled, find the ratio of resulting square to that of the given square. |