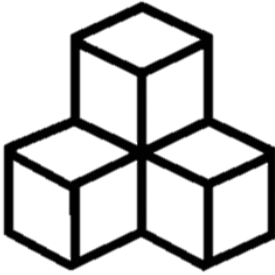


HAST SAMPLE Questions for Year 8-9



1.

If each cube measures 8 cm, what is the total surface area of the visible portion of the cube?

- A. 1,025 sq. cm.
- B. 1,152 sq. cm.
- C. 1,113 sq. cm.
- D. 1,524 sq. cm.
- E. 1,060 sq. cm.

15 students can make a robotics project in 6 days, working 5 hours a day. In how many days will 25 students, working 6 hours per day complete the same project?

- A 4
- B 3
- C 10
- D 15

Mark is plotting a straight line with the following points.

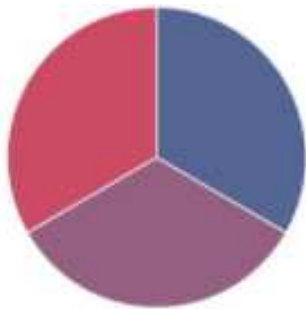
x	0	2	4	6	?
y	3	5.5	8	10.5	?

What would be the value of the 5th point?

- A.9, 12.
- B.8, 13.
- C.8, 11.5.
- D.9, 13.5.
- E.10, 12.

In a zoo, there are rabbits and pigeons. If heads are counted, there are 340 heads and if legs are counted there are 1060 legs. How many pigeons are there?

- A 120
- B 150
- C 170
- D 180



A



B

Given above are two figures A and B. Consider that the divisions are equal in both figures. What is the ratio of the angle covered by the purple area in both figures? (B/A)

- A.0.375.
- B.0.500.
- C.0.450.
- D.0.800.
- E.0.650.