CHINMAYA INTERNATIONAL RESIDENTIAL SCHOOL COIMBATORE

ENTRANCE EXAM: SAMPLE PAPER (FOR ADMISSION TO ACADEMIC YEAR 2014)

CLASS: IX SUBJECT: MATHS

01.	The marked price of an article is Rs.80	. If it is sold at Rs.72,	The discount perce	ntage of the
	article is			

A.23%

B.15%

C.33%

D.10%

02. Mean value of the data 45, 34, 36, 42, 40, 41 is

A. 46.7

B. 47.6

C. 42

D. None of these

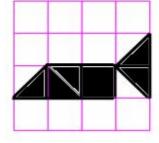
03. Observe the shape drawn on the grid below. If the area of the one square grid is 4 square units, then the area of the entire shape is

A. 8

B. 12

C. 16

D. 14



04. The area of the shaded portion in the following figure is

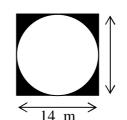
A. 54 cm²

B. 154 cm²

C. 196

cm²

 $C.42 \text{ cm}^2$



14 cm

05. A car travels at a speed of 72 km/hr . This speed can be expressed in meters/second as

A. 9m/s

B. 20m/s

C. 43m/s

D. 37m/s

06. The area of an equilateral triangle is $36\sqrt{3}$ sq.m. The length of its sides is

A. 7m

B. 13m

C. 17m

D. 12m

07. . The volume of a cylinder with diameter 7 cm and height $10\ cm$ is

A. 1925cm²

B. 154cm²

C. 1540cm² D. 385 cm²