

**ANSWER KEY FOR**  
**ARYABHATTA INTER-SCHOOL MATHS COMPETITION – 2005**

**Class - VIII**

**PART - I**

1. (i) 51  
(ii) 56  
(iii) 3  
(iv) 8  
(v) 12.5 cm  
(vi) 7  
(vii) 200  
(viii) 65  
(ix)  $-3x$   
(x)  $30^\circ$

2. (i) F  
(ii) T  
(iii) F  
(iv) F  
(v) T  
(vi) T  
(vii) F  
(viii) T  
(ix) F  
(x) T

3. (i) (b)  
(ii) (b)  
(iii) (a)

NOTE: This answer key is created by [KoolSmartLearning.com](http://KoolSmartLearning.com) for reference purpose.

- (iv) (b)
- (v) (c)
- (vi) (a)
- (vii) (d)
- (viii) (c)
- (ix) (b)
- (x) (b)

**\*\***

- 15. ₹280
- 16.  $77 \text{ m}^2$
- 17. 42 kmph
- 19.  $200\sqrt{3} \text{ cm}^2$
- 21.  $1331 \text{ cm}^3$
- 22.  $200\pi \text{ cm}^3$ ,  $660 \text{ cm}^2$

**\*\* Available Question paper doesn't have Ques 4-13.**