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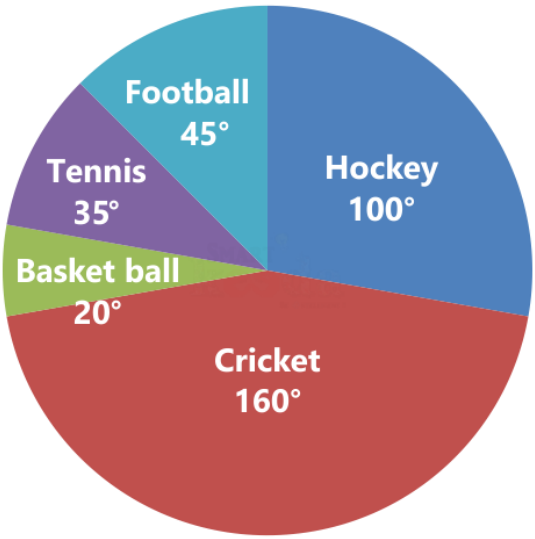
Date Interpretation Pie Chart Questions for Bank and SSC Exams.

DI Pie Chart Quiz 4

Directions: Study the following graph carefully & answer the questions given below it.

The pie chart, given here shows the amount of money spent (in degrees) on various sports by a school administration in a particular year.



1. If the money spent on football was Rs. 9000, how much more money was spent on hockey than football?

A. 11000 B. 11500 C. 12000 D. 12500 E. None of these

2. If the money spent on football was Rs. 9000, what amount was spent on cricket?

A. 31000 B. 31500 C. 32000 D. 32500 E. None of these

3. If the money spent on football is Rs. 9000, what was the total amount spent on all sports?

A. 73000 B. 72800 C. 72500 D. 72000 E. None of these

4. If Rs. 9000 were spent on football then the money spent on Tennis is what % of money spent on Basketball?

A. 175% B. 250% C. 275% D. 300% E. None of these

5. If total money spent on all sports is Rs. 5040 then what is the difference between the money spent on Hockey and Football.

A. Rs. 450 B. Rs. 550 C. Rs. 770 D. Rs. 850 E. None of these

Correct Answers:

1	2	3	4	5
A	C	D	A	C

Explanations:

1. ∵ 45° ≡ 9000 (Expenses on Football)

∴ 100° ≡ x (Expenses on Hockey)

On cross multiplication, we get

$x = \frac{9000 \times 100°}{45°} = 20000$

∴ Required difference = 20000 – 9000 = 11000.

Hence, option A is correct.

2. ∵ 45° ≡ 9000 (Expenses on Football)

∴ 160° ≡ x (Expenses on Cricket)

On cross multiplication, we get

$x = \frac{9000 \times 160°}{45°} = 32000$

Hence, option C is correct.

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3. ∵ 45° ≡ 9000 (Expenses on Football)

∴ 360° ≡ x (Expenses on All sports)

On cross multiplication, we get

$x = \frac{9000 \times 360°}{45°} = Rs\ 72000$

Hence, option D is correct.

4.

$\text{Reqd. \%} = \frac{\text{Expenses on Tennis (in deg)}}{\text{Expenses on Basketball (in deg)}} \times 100\%$

$= \frac{35°}{20°} \times 100 = 35 \times 5 = 175\%$

Hence, option A is correct.

5. ∵ 360° ≡ 5040

∴ (100° – 45°) = 55° ≡ x

On cross multiplication, we get

$x = \frac{55°}{360°} \times 5040 = 770.$

Hence, option C is correct.

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