

Math - II Semester

Assessment: Math - II Semester (6 questions)
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Session ID: 6
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Score: 3 (50%)
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Finished: 10/05/2009 at 10:59:34 PM (Total time: 00:00:09)
Answers: 3 right, 3 wrong, 0 null
Message: Congratulations, you passed the test! Now you can relax on [Disney](#).

QUESTION 1 (Question ID: 1, score: 0, maximum: 1, minimum: 0)

A rectangle is 14 cm long and 10 cm wide. If the length is reduced by x cms and its width is increased also by x cms so as to make it a square then its area changes by:

- 4
- 144
- 12
- 2
- None of the above

QUESTION 2 (Question ID: 2, score: 1, maximum: 1, minimum: 0)

A motorcycle stunts man belonging to a fair, rides over the vertical walls of a circular well at an average speed of 54 kph for 5 minutes. If the radius of the well is 5 meters then the distance traveled is:

- 2.5 Km
- 3.5 Km
- 4.5 Km
- 5.5 Km
- None of the above

QUESTION 3 (Question ID: 3, score: 0, maximum: 1, minimum: 0)

If 1 cm on a map corresponds to an actual distance of 40 kms. And the distance on the map between Bombay and Calcutta is 37.5 cms., the actual distance between them is:

- 375 Kms
- 3750 Kms
- 1500 Kms
- 1375 Kms
- None of the above

QUESTION 4 (Question ID: 4, score: 1, maximum: 1, minimum: 0)

A box contains 90 mts each of 100 gms and 100 bolts each of 150 gms. If the entire box weighs 35.5 kg., then the weight of the empty box is:

- 10.5 Kg
- 11 Kg
- 11.5 Kg

QUESTION 5 (Question ID: 5, score: 1, maximum: 1, minimum: 0)

If the radius of a circle is increased by 20% then the area is increased by:

- 44%
- 120%
- 144%
- 40%
- None of the above

QUESTION 6 (Question ID: 6, score: 0, maximum: 1, minimum: 0)

Tom, Dick and Harry went for lunch to a restaurant. Tom had \$100 with him, Dick had \$60 and Harry had \$409. They got a bill for \$104 and decided to give a tip of \$16. They further decided to share the total expenses in the ratio of the amounts of money each carried. The amount of money which Tom paid more than what Harry paid is:

- 120
- 200
- 60
- 24
- 36