

**MATHEMATICS**  
**CLASS VIII**  
**FA-2**  
**Assignment No. 3**  
**Ch 3 Square and Square Roots**

1. Tick the correct alternative :
  - i. The square root of 37.21
 

a) 6.9	b) 5.9	c) 6.1	d) 5.1
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  - ii. The square root of 0.4
 

a) 0.2	b) 0.02	c) 0.63	d) 0.16
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  - iii. If  $\sqrt{1 + \frac{49}{576}} = 1 + \frac{x}{24}$ , then value of  $x$  is
 

a) 1	b) 7	c) 13	d) 25
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  - iv. The least number to be subtracted from 743 to get a perfect square is
 

a) 14	b) 41	c) 98	d) 118
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2. Which of the following are Pythagorean triplets:
 

i. 3,4,5	ii. 20,24,29	iii. 30,40,50	iv. 7,24,25
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3. Find the smallest number by which 14700 should be divided so that it becomes a perfect square. Also find the square root of the number obtained.
4. Find the least number which must be added to 92700 to make it a perfect square.
5. Find the least number which must be subtracted from 194491 to make it a perfect square.
6. 9811 men are to be arranged in rows to form a perfect square. Find the number of men in each row and the number left out.
7. Which of the following are perfect squares?
 

i. 4225	ii. 4517	iii. 1024
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7. Find the least number by which 7688 should be multiplied so that the resulting number becomes a perfect square.
8. Find the greatest 3-digit number which is a perfect square.
9. Find the least 4-digit number which is a perfect square.
10. By division method, find the square root of
 

i. 5929	ii. 3364	iii. 11025	iv. 571536
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11. Find the square root of
 

i. $\frac{243}{867}$	ii. $\frac{1103}{5103}$	iii. $205\frac{4}{9}$	iv. $22\frac{11}{49}$
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12. Find the square root of
 

i. 6.4009	ii. 26.01	iii. 0.0324	iv. 70.56
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13. The area of a square field is 60025 sq m. Find the perimeter of the field.
14. Find the square root of 362.1409
15. During Diwali, Daya Shankar got a bonus of Rs 21025 by his employer. He decided to give a part of his bonus to one of his widow aunt at his village. He decided that the amount will be the square root of Rs 21025.
  - i. How much amount did he give to his aunt?
  - ii. The correct word for Daya Shankar is
 

a) Fool	b) Wise/Good	c) Bad	d) None of these
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