EduSahara™ Assignment

Name : Pythagorean Triplets

Chapter : Squares and Square Roots

Grade : CBSE Grade VIII

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1. Identify the Pythagorean triplet whose smallest number is 10

   (i) {10,24,26} (ii) {10,25,28} (iii) {10,25,27} (iv) {10,26,27} (v) {10,26,28}

2. Identify the Pythagorean triplet whose middle number is 48

   (i) {14,48,50} (ii) {13,48,49} (iii) {15,48,49} (iv) {16,48,50} (v) {15,48,47}

3. Identify the Pythagorean triplet whose largest number is 26

   (i) {9,25,26} (ii) {12,25,26} (iii) {11,23,26} (iv) {10,24,26} (v) {8,22,26}

4. Which of the following is a Pythagorean triplet?

   (i) {8,17,16} (ii) {8,16,18} (iii) {8,13,17} (iv) {8,14,16} (v) {8,15,17}

5. Identify the Pythagorean triplet whose one of the numbers is 15

   (i) {9,15,16} (ii) {9,15,14} (iii) {8,15,17} (iv) {10,15,17} (v) {7,15,16}

6. Identify the Pythagorean triplet whose smallest number is 18

   (i) {18,82,83} (ii) {18,81,83} (iii) {18,82,84} (iv) {18,80,82} (v) {18,81,84}

7. Identify the Pythagorean triplet whose middle number is 15

   (i) {10,15,17} (ii) {9,15,14} (iii) {8,15,17} (iv) {7,15,16} (v) {9,15,16}

8. Identify the Pythagorean triplet whose largest number is 17

   (i) {8,15,17} (ii) {10,16,17} (iii) {9,14,17} (iv) {7,16,17} (v) {6,13,17}

9. Which of the following is a Pythagorean triplet?

   (i) {16,62,64} (ii) {16,61,65} (iii) {16,63,65} (iv) {16,64,66} (v) {16,65,64}

10. Identify the Pythagorean triplet whose one of the numbers is 35

    (i) {12,35,37} (ii) {13,35,36} (iii) {14,35,37} (iv) {11,35,36} (v) {13,35,34}

11. Identify the Pythagorean triplet whose smallest number is 10

    (i) {10,24,26} (ii) {10,25,27} (iii) {10,26,28} (iv) {10,25,28} (v) {10,26,27}

12. Identify the Pythagorean triplet whose middle number is 35

    (i) {14,35,37} (ii) {11,35,36} (iii) {12,35,37} (iv) {13,35,34} (v) {13,35,36}

13. Identify the Pythagorean triplet whose largest number is 17

    (i) {7,16,17} (ii) {8,15,17} (iii) {9,14,17} (iv) {6,13,17} (v) {10,16,17}

14. Which of the following is a Pythagorean triplet?

    (i) {10,26,25} (ii) {10,24,26} (iii) {10,25,27} (iv) {10,23,25} (v) {10,22,26}

15. Identify the Pythagorean triplet whose one of the numbers is 24

(i) {10,24,26} (ii) {11,24,25} (iii) {12,24,26} (iv) {11,24,23} (v) {9,24,25}

Assignment Key

1) (i)	2) (i)	3) (iv)	4) (v)	5) (iii)	6) (iv)
7) (iii)	8) (i)	9) (iii)	10) (i)	11) (i)	12) (iii)
13) (ii)	14) (ii)	15) (i)			

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