

EduSahara™ Learning Center Assignment

Grade : Class VIII, CBSE
Chapter : Squares and Square Roots
Name : Pythagorean Triplets
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1. Identify the Pythagorean triplet whose smallest number is 14
(i) {14,50,52} (ii) {14,48,50} (iii) {14,50,51} (iv) {14,49,51} (v) {14,49,52}

2. Identify the Pythagorean triplet whose middle number is 15
(i) {10,15,17} (ii) {9,15,16} (iii) {9,15,14} (iv) {7,15,16} (v) {8,15,17}

3. Identify the Pythagorean triplet whose largest number is 37
(i) {10,33,37} (ii) {14,36,37} (iii) {12,35,37} (iv) {13,34,37} (v) {11,36,37}

4. Which of the following is a Pythagorean triplet?
(i) {14,47,49} (ii) {14,46,50} (iii) {14,50,49} (iv) {14,49,51} (v) {14,48,50}

5. Identify the Pythagorean triplet whose one of the numbers is 80
(i) {19,80,81} (ii) {20,80,82} (iii) {19,80,79} (iv) {18,80,82} (v) {17,80,81}

6. Identify the Pythagorean triplet whose smallest number is 12
(i) {12,35,37} (ii) {12,36,38} (iii) {12,36,39} (iv) {12,37,39} (v) {12,37,38}

7. Identify the Pythagorean triplet whose middle number is 24
(i) {11,24,25} (ii) {12,24,26} (iii) {11,24,23} (iv) {9,24,25} (v) {10,24,26}

8. Identify the Pythagorean triplet whose largest number is 17
(i) {8,15,17} (ii) {6,13,17} (iii) {10,16,17} (iv) {9,14,17} (v) {7,16,17}

9. Which of the following is a Pythagorean triplet?
(i) {10,22,26} (ii) {10,26,25} (iii) {10,25,27} (iv) {10,24,26} (v) {10,23,25}

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

- (i) {8,15,17} (ii) {9,15,16} (iii) {10,15,17} (iv) {9,15,14} (v) {7,15,16}
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11. Identify the Pythagorean triplet whose smallest number is 18

- (i) {18,82,84} (ii) {18,82,83} (iii) {18,81,84} (iv) {18,81,83} (v) {18,80,82}
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12. Identify the Pythagorean triplet whose middle number is 48

- (i) {15,48,49} (ii) {13,48,49} (iii) {14,48,50} (iv) {16,48,50} (v) {15,48,47}
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13. Identify the Pythagorean triplet whose largest number is 37

- (i) {11,36,37} (ii) {10,33,37} (iii) {12,35,37} (iv) {14,36,37} (v) {13,34,37}
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14. Which of the following is a Pythagorean triplet?

- (i) {14,47,49} (ii) {14,49,51} (iii) {14,48,50} (iv) {14,50,49} (v) {14,46,50}
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15. Identify the Pythagorean triplet whose one of the numbers is 82

- (i) {20,81,82} (ii) {18,80,82} (iii) {17,81,82} (iv) {19,79,82} (v) {16,78,82}
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Assignment Key

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