EduSahara™ Learning Center Assignment

Grade   : Class VIII, SSC
Chapter   : Square Roots and Cube Roots
Name   : Pythagorean Triplets
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1. Identify the Pythagorean triplet whose smallest number is 20

   (i) {20,101,102} (ii) {20,100,102} (iii) {20,100,103} (iv) {20,101,103} (v) {20,99,101}

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2. Identify the Pythagorean triplet whose middle number is 24

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

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3. Identify the Pythagorean triplet whose largest number is 82

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

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4. Which of the following is a Pythagorean triplet?

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

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

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

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6. Identify the Pythagorean triplet whose smallest number is 12

   (i) {12,37,38} (ii) {12,36,39} (iii) {12,36,38} (iv) {12,37,39} (v) {12,35,37}

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7. Identify the Pythagorean triplet whose middle number is 48

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

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8. Identify the Pythagorean triplet whose largest number is 26

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

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9. Which of the following is a Pythagorean triplet?

   (i) {20,99,101} (ii) {20,101,100} (iii) {20,97,101} (iv) {20,98,100} (v) {20,100,102}

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10. Identify the Pythagorean triplet whose one of the numbers is 37

    (i) {12,35,37} (ii) {14,36,37} (iii) {11,36,37} (iv) {10,33,37} (v) {13,34,37}

Assignment Key

1) (v)
2) (ii)
3) (v)
4) (ii)
5) (i)
6) (v)
7) (ii)
8) (iv)
9) (i)
10) (i)