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| 219 | 5.Find the length of a leg of a right triangle with a hypotenuse of 8 and a leg of 3. |

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| $$\sqrt{65}$$ | 14.**?**77 |

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| $$5\sqrt{7}$$ | 1.13**?**12 |

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| --- | --- |
| 15 | 6.44**?** |
| $$\sqrt{55}$$ | 10.**?**47 |

|  |  |
| --- | --- |
| $$7\sqrt{2}$$ | 13.20**?**15 |

|  |  |
| --- | --- |
| 5 | 12.**?**912 |

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| $$4\sqrt{2}$$ | 8.a = 9b = **?**c = 15 |
| 12 | 7.What is the perimeter of a right triangle that has a base that measures 8 meters and a height that measures 6 meters? |

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| 24 | 3.a = 6b = 8c = **?** |

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| 13 | 11.The dimensions of a rectangular doorway are 200 cm by 90 cm. You are going to carry a circular tabletop through the doorway – what is the largest whole number diameter it can have? |

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| 10 | 4.The size of a television screen is given by the length of the diagonal of the screen. What size is a television screen that is 21.6 inches wide and 16.2 inches high? |

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| 27 | 2.A baseball diamond is a square 90 feet on a side. What is the distance from first base to third base (straight across the center) |

|  |  |
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| $$90\sqrt{2}$$ | 9.A square has an area of 169 cm2. Find the length of one side to help you find the length of a diagonal. |

Order:

1 – 12 – 6 – 8 – 7 – 3 – 4 – 2 – 9 – 11 – 5 – 10 – 14 – 13 – 1