

Pythagorean Theorem

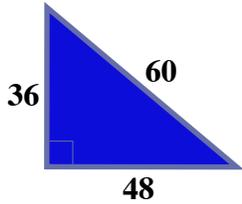
Pythagorean Triples

Math Worksheet 26



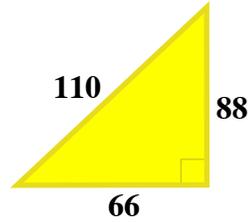
Name: _____

Use the smallest Pythagorean triple (3,4,5) to determine the multiplier of the following right triangles:

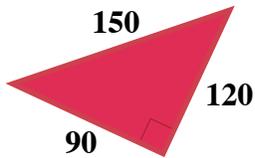


$$\begin{aligned} a &= 36 \div 3 = 12 \\ b &= 48 \div 4 = 12 \\ c &= 60 \div 5 = 12 \end{aligned}$$

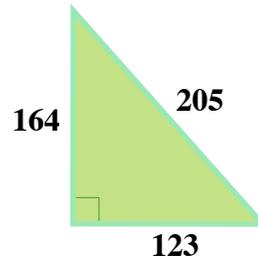
multiplier



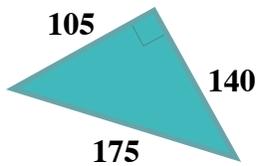
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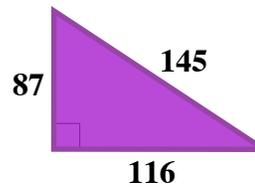
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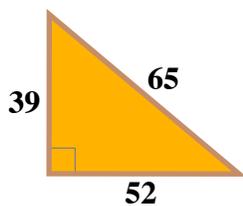
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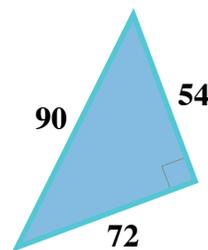
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multiplier



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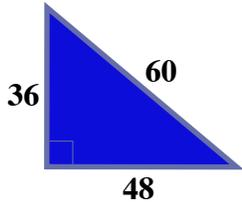
Pythagorean Theorem

Pythagorean Triples
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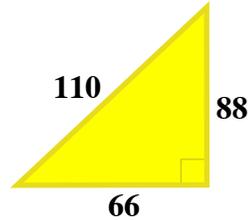
Name: ANSWER KEY

Use the smallest Pythagorean triple (3,4,5) to determine the multiplier of the following right triangles:



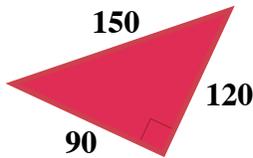
$$\begin{aligned} a &= 36 \div 3 = 12 \\ b &= 48 \div 4 = 12 \\ c &= 60 \div 5 = 12 \end{aligned}$$

12
multiplier



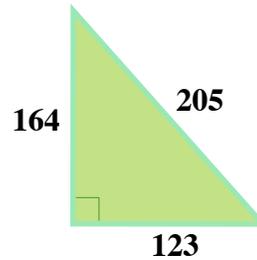
$$\begin{aligned} a &= 66 \div 3 = 22 \\ b &= 88 \div 4 = 22 \\ c &= 110 \div 5 = 22 \end{aligned}$$

22
multiplier



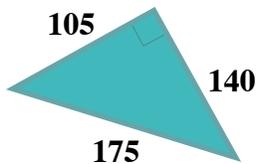
$$\begin{aligned} a &= 90 \div 3 = 30 \\ b &= 120 \div 4 = 30 \\ c &= 150 \div 5 = 30 \end{aligned}$$

30
multiplier



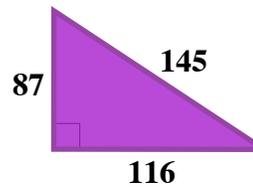
$$\begin{aligned} a &= 123 \div 3 = 41 \\ b &= 164 \div 4 = 41 \\ c &= 205 \div 5 = 41 \end{aligned}$$

41
multiplier



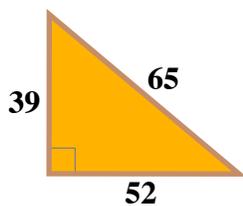
$$\begin{aligned} a &= 105 \div 3 = 35 \\ b &= 140 \div 4 = 35 \\ c &= 175 \div 5 = 35 \end{aligned}$$

35
multiplier



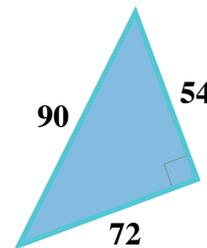
$$\begin{aligned} a &= 87 \div 3 = 29 \\ b &= 116 \div 4 = 29 \\ c &= 145 \div 5 = 29 \end{aligned}$$

29
multiplier



$$\begin{aligned} a &= 39 \div 3 = 13 \\ b &= 52 \div 4 = 13 \\ c &= 65 \div 5 = 13 \end{aligned}$$

13
multiplier



$$\begin{aligned} a &= 54 \div 3 = 18 \\ b &= 72 \div 4 = 18 \\ c &= 90 \div 5 = 18 \end{aligned}$$

18
multiplier