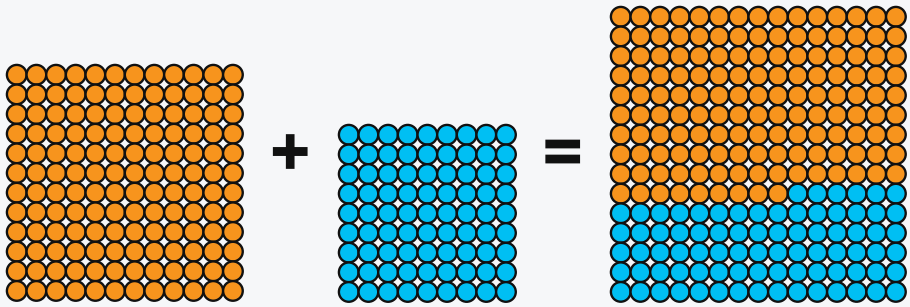
Pythagoras

Name _____

The squares on the two **short** sides pour into the square on the **long** side and fit exactly. Add them, or take one away.

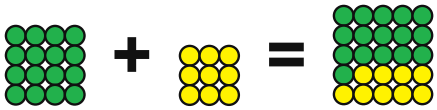
EXAMPLE



long side 15: 15 × 15 = 225

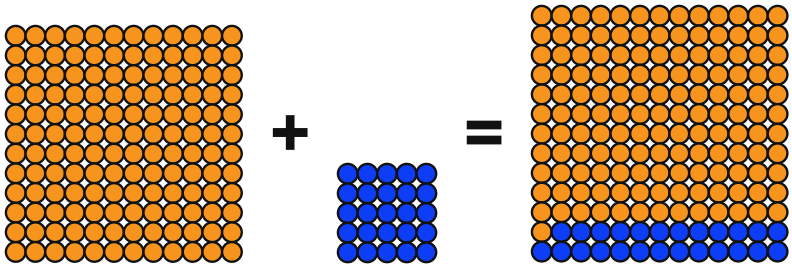
one short side 12: 12 × 12 = 144

225 − 144 = 81 , so the other side is 9



4 × 4 = _____ 3 × 3 = _____

together _____ = _____ × _____ : the long side is _____



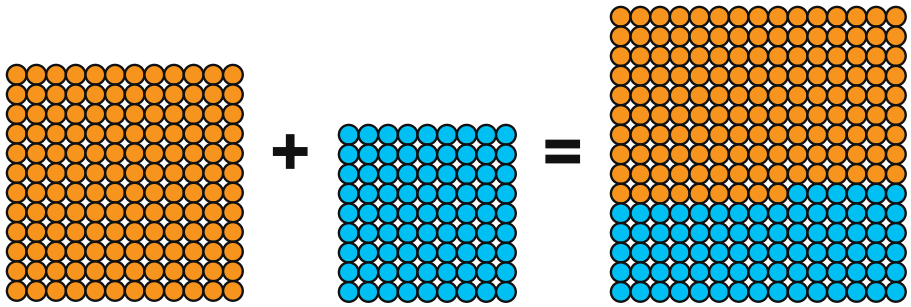
12 × 12 = _____ 5 × 5 = _____

together _____ = _____ × _____ : the long side is _____

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Pythagoras

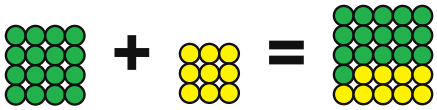
The squares on the two **short** sides pour into the square on the **long** side and fit exactly. Add them, or take one away.



long side 15: 15 × 15 = 225

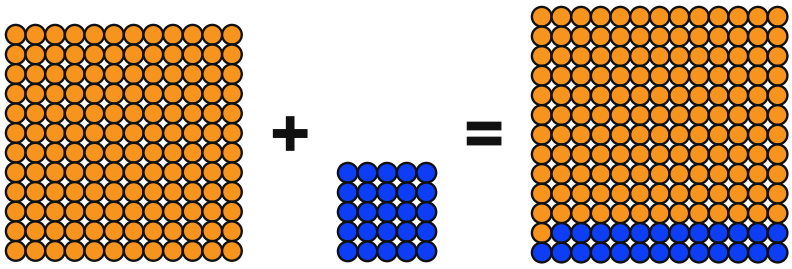
one short side 12: 12 × 12 = 144

225 − 144 = 81 **, so the other side is** 9



4 × 4 = 16 **3 × 3 =** 9

together 25 **=** 5 **×** 5 **: the long side is** 5



12 × 12 = 144 **5 × 5 =** 25

together 169 **=** 13 **×** 13 **: the long side is** 13

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