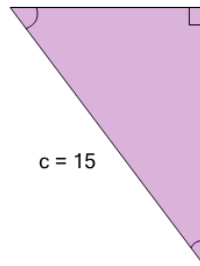Name:_____

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Math worksheet on *'Pythagorean Triples - Length of Side - Labelled Sides (Level 1)'*. Part of a broader unit on *'Pythagoras - Intro'*

Learn online: app.mobius.academy/math/units/pythagoras_intro/

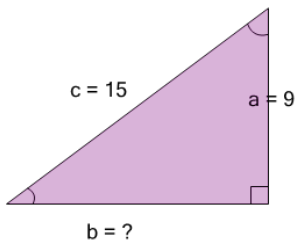**1** Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$c = 15$ $b = ?$

a	b	c
b=13	b=12	b=24
d	**e**	**f**
b=6	b=17	b=7

2 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$c = 15$ $a = 9$ $b = ?$

a	b	c
b=13	b=11	b=17
d	**e**	**f**
b=12	b=24	b=7

3 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$b = ?$ $c = 5$ $a = 3$
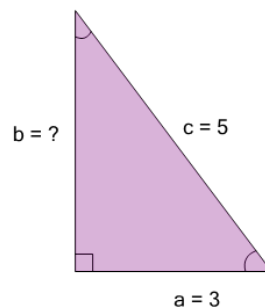
a	b	c
b=5	b=8	b=2
d	**e**	**f**
b=4	b=6	b=1

4 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$b = ?$ $a = 3$ $c = 5$
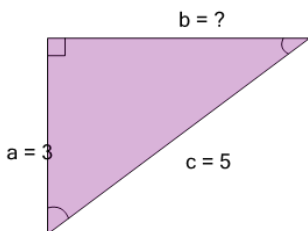
a	b	c
b=3	b=5	b=8
d	**e**	**f**
b=4	b=15	b=1

5 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$c = 5$ $b = ?$
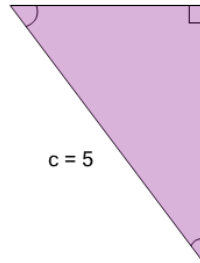
a	b	c
b=5	b=15	b=6
d	**e**	**f**
b=1	b=3	b=4

6 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$c = 13$ $a = 5$ $b = ?$
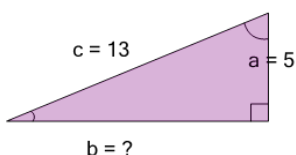
a	b	c
b=13	b=16	b=12
d	**e**	**f**
b=11	b=8	b=18

7 Find the length of the missing side as a decimal value based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

$c = 10$ $b = ?$

a	b	c
b=60	b=4	b=6
d	**e**	**f**
b=7	b=9	b=8