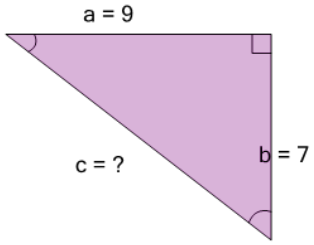
Math worksheet on *'Pythagorean Theorem - Length of Hypotenuse - Labelled Sides (Radical) (Level 2)'*. Part of a broader unit on *'Pythagoras - Intro'*

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

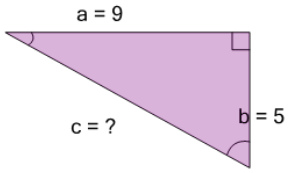
1



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

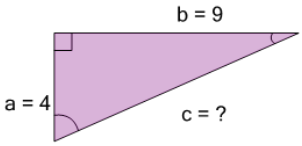
a $\sqrt{32}$ **b** $\sqrt{130}$

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



a $\sqrt{56}$ **b** $\sqrt{106}$ **c** $\sqrt{131}$

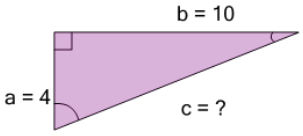
3 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{97}$ **b** $\sqrt{65}$ **c** $\sqrt{259}$

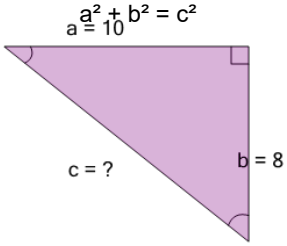
d $\sqrt{178}$

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



a $\sqrt{84}$ **b** $\sqrt{116}$ **c** $\sqrt{316}$

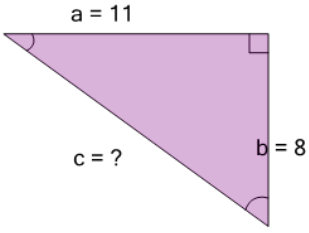
5 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{292}$ **b** $\sqrt{36}$ **c** $\sqrt{164}$

d $\sqrt{228}$

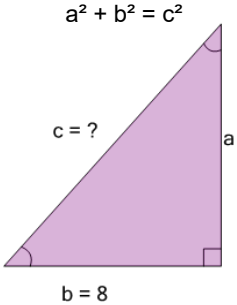
6



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

a $\sqrt{57}$ **b** $\sqrt{185}$

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



a $\sqrt{145}$ **b** $\sqrt{17}$ **c** $\sqrt{209}$