Area (Squares)

Date: **Name:**

Given the AREA, use the formula, "$A = s^2$", give the length of the missing side in each square below and SHOW ALL YOUR WORKING! Round to 1 d.p. if necessary.

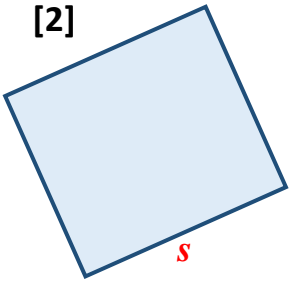
http://www.learnersgrid.com

Use your calculator!

[1]

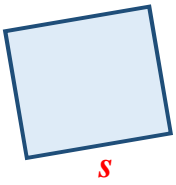
[1] A = 9 cm²

[2]



[2] A = 25 cm²

[3]

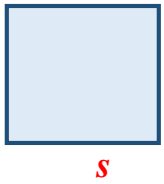


[3] A = 49 m²

[4]

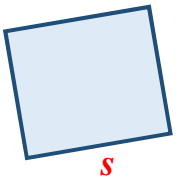
[4] A = 64 cm²

[5]



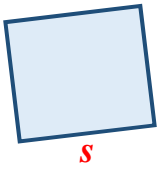
[5] A = 169 mm²

[6]



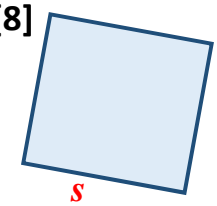
[6] A = 225 cm²

[7]



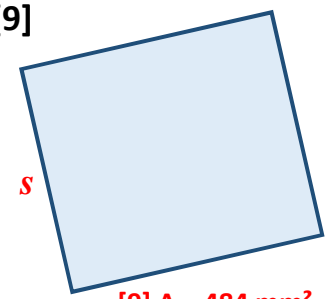
[7] A = 324 cm²

[8]



[8] A = 361 mm²

[9]



[9] A = 484 mm²

ANSWERS

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Use your calculator!

[1]

A = 9 cm²

worked solution:

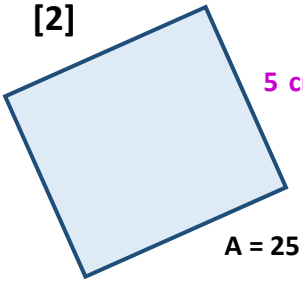
$A = s^2$

$\sqrt{9}$ $9 = s^2$ $\sqrt{s^2}$

$3 = s$

s = 3 cm

[2]



A = 25 cm²

worked solution:

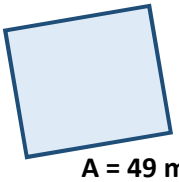
$A = s^2$

$\sqrt{25}$ $25 = s^2$ $\sqrt{s^2}$

$5 = s$

s = 5 cm

[3]



A = 49 m²

worked solution:

$A = s^2$

$\sqrt{49}$ $49 = s^2$ $\sqrt{s^2}$

$7 = s$

s = 7 m

[4]

A = 64 cm²

worked solution:

$A = s^2$

$\sqrt{64}$ $64 = s^2$ $\sqrt{s^2}$

$8 = s$

s = 8 cm

[5]

A = 169 mm²

worked solution:

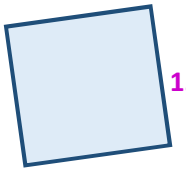
$A = s^2$

$\sqrt{169}$ $169 = s^2$ $\sqrt{s^2}$

$13 = s$

s = 13 mm

[6]



A = 225 cm²

worked solution:

$A = s^2$

$\sqrt{225}$ $225 = s^2$ $\sqrt{s^2}$

$15 = s$

s = 15 cm

[7]

A = 324 cm²

worked solution:

$A = s^2$

$\sqrt{324}$ $324 = s^2$ $\sqrt{s^2}$

$18 = s$

s = 18 cm

[8]

A = 361 mm²

worked solution:

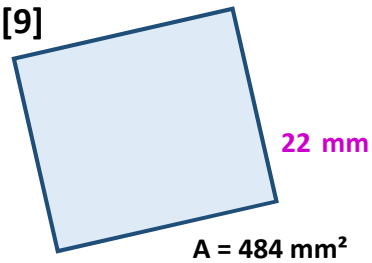
$A = s^2$

$\sqrt{361}$ $361 = s^2$ $\sqrt{s^2}$

$19 = s$

s = 19 mm

[9]



A = 484 mm²

worked solution:

$A = s^2$

$\sqrt{22}$ $484 = s^2$ $\sqrt{s^2}$

$22 = s$

s = 22 mm