

## Area (Squares)

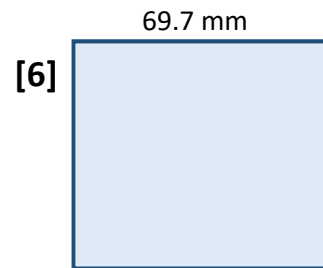
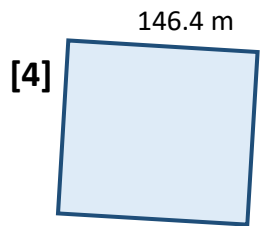
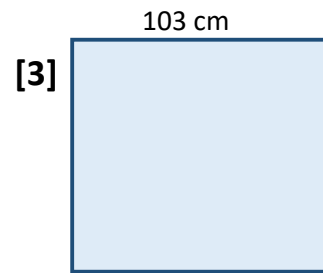
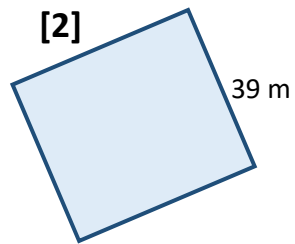
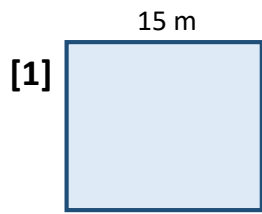
Date:

Name:

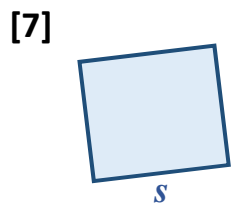
<http://www.learnersgrid.com>

Give the **area** of each square below.

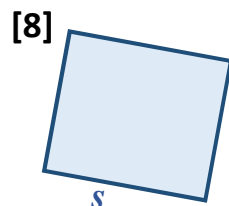
Use your calculator! Round to 1 d.p.



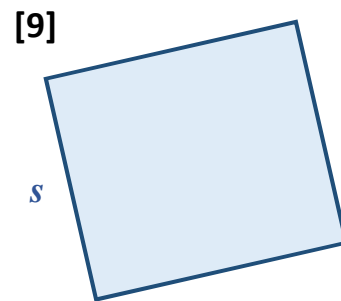
Given the **area**, give the missing length of the side of each square below. Use your calculator! Round to 1 d.p.



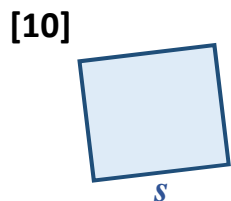
[7]  $A = 289 \text{ cm}^2$



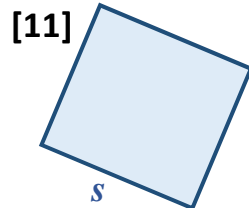
[8]  $A = 324 \text{ mm}^2$



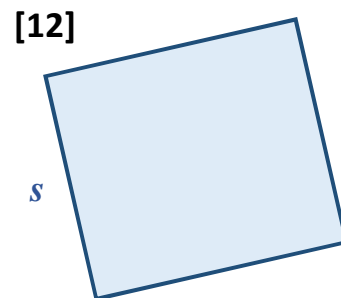
[9]  $A = 484 \text{ m}^2$



[10]  $A = 384.2 \text{ mm}^2$



[11]  $A = 475.2 \text{ mm}^2$



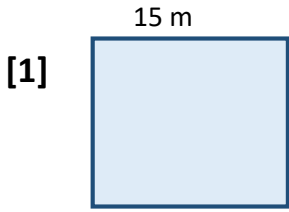
[12]  $A = 691.7 \text{ m}^2$

# ANSWERS

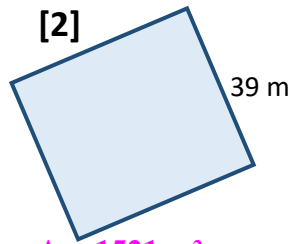
## Area (Squares)

Give the area of each square below.  
Use your calculator! Round to 1 d.p.

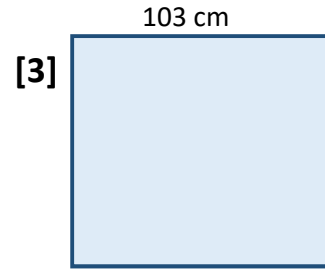
<http://www.learnersgrid.com>



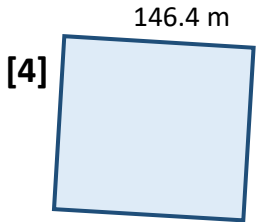
$$A = 225 \text{ m}^2$$



$$A = 1521 \text{ m}^2$$



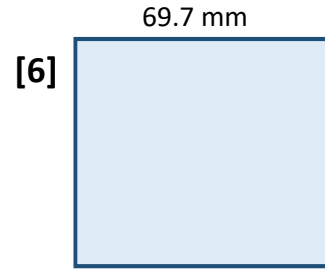
$$A = 10609 \text{ cm}^2$$



$$A = 21433 \text{ m}^2$$

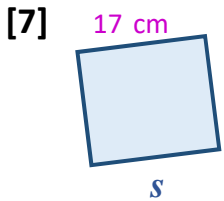


$$A = 4475.6 \text{ mm}^2$$



$$A = 4858.1 \text{ mm}^2$$

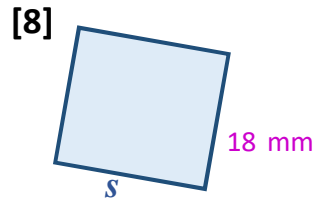
Given the area, give the missing length of the side of each square below. Use your calculator! Round to 1 d.p.



$$[7] A = 289 \text{ cm}^2$$

worked solution:

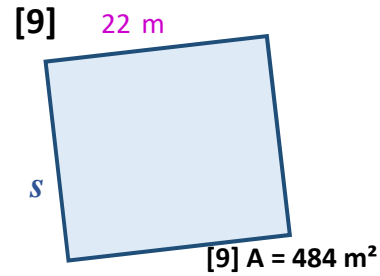
$$\begin{aligned} A &= s^2 \\ \sqrt{289} \quad 289 &= s^2 \quad \sqrt{s^2} \\ 17.0 &= s \\ s &= 17 \text{ cm} \end{aligned}$$



$$[8] A = 324 \text{ mm}^2$$

worked solution:

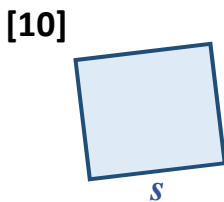
$$\begin{aligned} A &= s^2 \\ \sqrt{324} \quad 324 &= s^2 \quad \sqrt{s^2} \\ 18.0 &= s \\ s &= 18 \text{ mm} \end{aligned}$$



$$[9] A = 484 \text{ m}^2$$

worked solution:

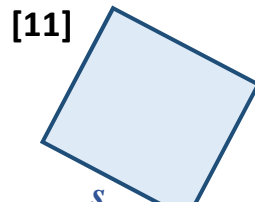
$$\begin{aligned} A &= s^2 \\ \sqrt{484} \quad 484 &= s^2 \quad \sqrt{s^2} \\ 22.0 &= s \\ s &= 22 \text{ m} \end{aligned}$$



$$[10] A = 384.2 \text{ mm}^2$$

worked solution:

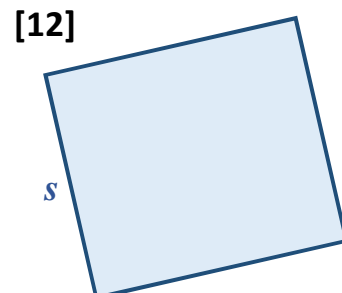
$$\begin{aligned} A &= s^2 \\ \sqrt{384.2} \quad 384.2 &= s^2 \quad \sqrt{s^2} \\ 19.6 &= s \\ s &= 19.6 \text{ mm} \end{aligned}$$



$$[11] A = 475.2 \text{ m}^2$$

worked solution:

$$\begin{aligned} A &= s^2 \\ \sqrt{475.2} \quad 475.2 &= s^2 \quad \sqrt{s^2} \\ 21.8 &= s \\ s &= 21.8 \text{ m} \end{aligned}$$



$$[12] A = 691.7 \text{ m}^2$$

worked solution:

$$\begin{aligned} A &= s^2 \\ \sqrt{691.7} \quad 691.7 &= s^2 \quad \sqrt{s^2} \\ 26.3 &= s \\ s &= 26.3 \text{ m} \end{aligned}$$