

Area (Squares)

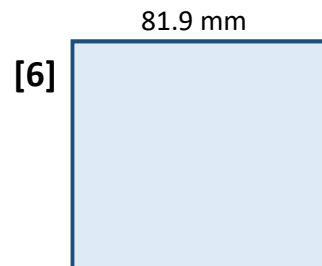
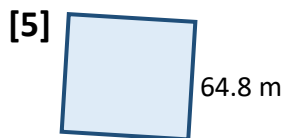
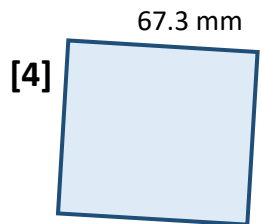
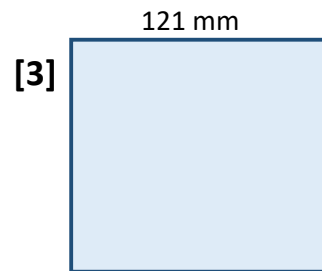
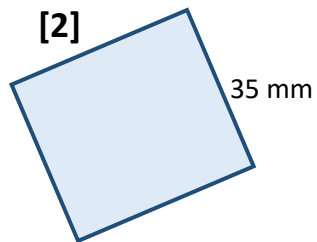
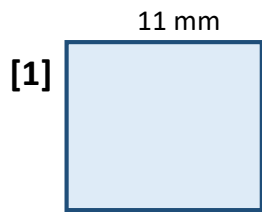
Date:

Name:

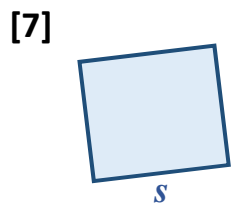
<http://www.learnersgrid.com>

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

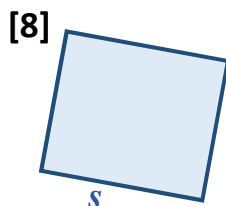
Use your calculator! Round to 1 d.p.



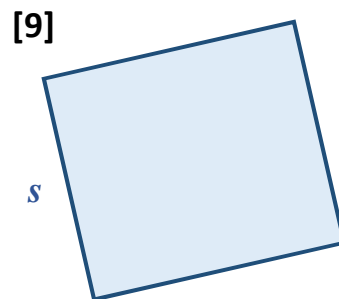
Given the **area**, give the missing length of the side of each square below. Use your calculator! Round to 1 d.p.



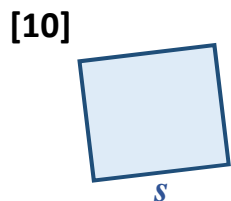
[7] $A = 169 \text{ cm}^2$



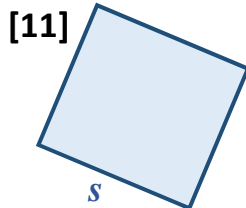
[8] $A = 196 \text{ mm}^2$



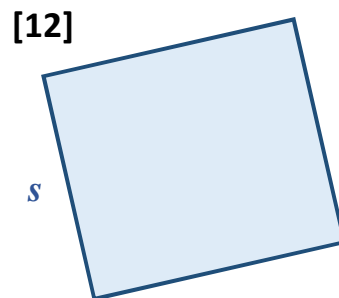
[9] $A = 289 \text{ mm}^2$



[10] $A = 252.8 \text{ m}^2$



[11] $A = 327.6 \text{ mm}^2$



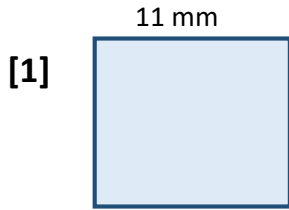
[12] $A = 557 \text{ m}^2$

ANSWERS

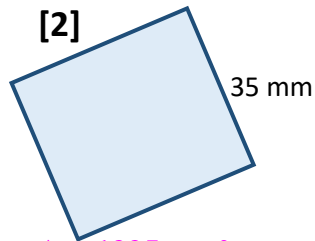
Area (Squares)

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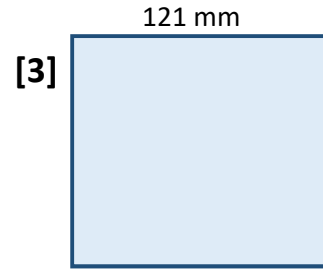
Give the area of each square below.
Use your calculator! Round to 1 d.p.



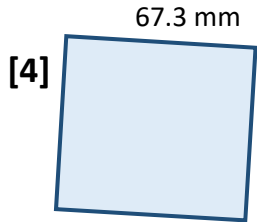
$A = 121 \text{ mm}^2$



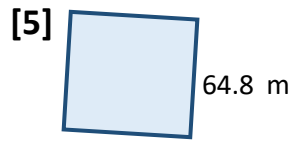
$A = 1225 \text{ mm}^2$



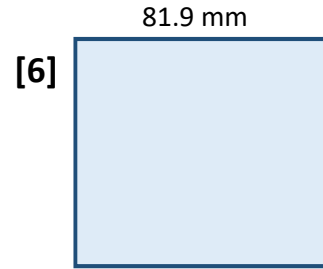
$A = 14641 \text{ mm}^2$



$A = 4529.3 \text{ mm}^2$

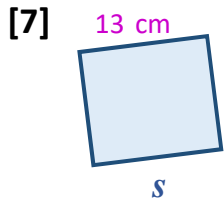


$A = 4199 \text{ m}^2$



$A = 6707.6 \text{ mm}^2$

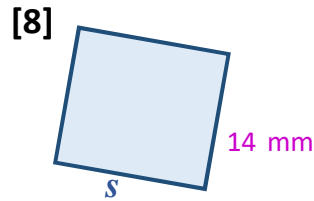
Given the area, give the missing length of the side of each square below. Use your calculator! Round to 1 d.p.



[7] $A = 169 \text{ cm}^2$

worked solution:

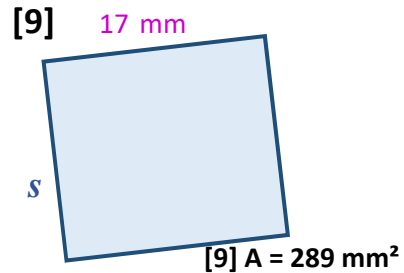
$$\begin{aligned} A &= s^2 \\ \sqrt{169} \quad 169 &= s^2 \quad \sqrt{s^2} \\ 13.0 &= s \\ s &= 13 \text{ cm} \end{aligned}$$



[8] $A = 196 \text{ mm}^2$

worked solution:

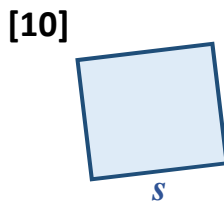
$$\begin{aligned} A &= s^2 \\ \sqrt{196} \quad 196 &= s^2 \quad \sqrt{s^2} \\ 14.0 &= s \\ s &= 14 \text{ mm} \end{aligned}$$



[9] $A = 289 \text{ mm}^2$

worked solution:

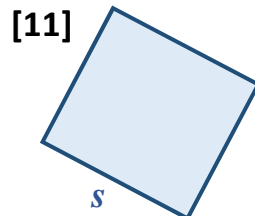
$$\begin{aligned} A &= s^2 \\ \sqrt{289} \quad 289 &= s^2 \quad \sqrt{s^2} \\ 17.0 &= s \\ s &= 17 \text{ mm} \end{aligned}$$



[10] $A = 252.8 \text{ m}^2$

worked solution:

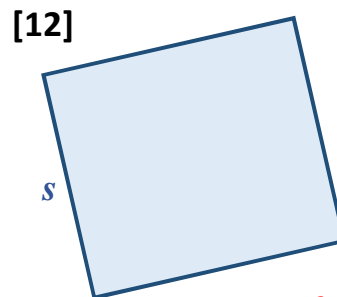
$$\begin{aligned} A &= s^2 \\ \sqrt{252.8} \quad 252.8 &= s^2 \quad \sqrt{s^2} \\ 15.9 &= s \\ s &= 15.9 \text{ m} \end{aligned}$$



[11] $A = 327.6 \text{ mm}^2$

worked solution:

$$\begin{aligned} A &= s^2 \\ \sqrt{327.6} \quad 327.6 &= s^2 \quad \sqrt{s^2} \\ 18.1 &= s \\ s &= 18.1 \text{ mm} \end{aligned}$$



[12] $A = 557 \text{ m}^2$

worked solution:

$$\begin{aligned} A &= s^2 \\ \sqrt{557} \quad 557 &= s^2 \quad \sqrt{s^2} \\ 23.6 &= s \\ s &= 23.6 \text{ m} \end{aligned}$$