

Outcome 2 - Area of a Rectangle, Square & Triangle

Bronze examples

Examples... **Times it!**

Calculate the area of...

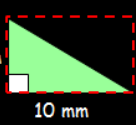

 $A = 9 \times 4$
 $= 36 \text{ mm}^2$


 $A = 10 \times 10$
 $= 100 \text{ m}^2$

Silver examples

Examples... **Times it and half it!**

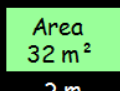
Calculate the area of...


 $A = 10 \times 6 \div 2$
 $= 30 \text{ mm}^2$


 $A = 6 \times 5 \div 2$
 $= 15 \text{ cm}^2$

Gold examples

Examples... Calculate the lengths of the missing sides...

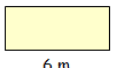

 $? \text{ m}$
 $? = 32 \div 4$
 $= 8 \text{ m}$


 $? \text{ cm}$
 $? = \sqrt{49}$
 $= 7 \text{ cm}$
 $(7 \times 7 = 49!)$

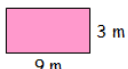
Bronze Questions

Calculate the following areas...

1 

2 

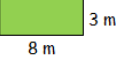
3 

4 

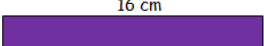
5 

6 

7 

8 

9 

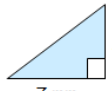
10 

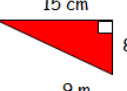
Silver Questions

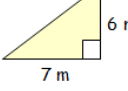
Calculate the following areas...

1 

2 

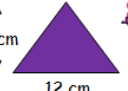
3 

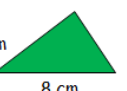
4 

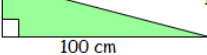
5 

6 

7 

8 

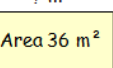
9 

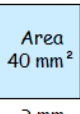
10 

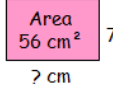
Gold Questions

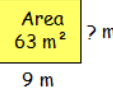
Calculate the length of the missing sides...

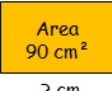
1 

2 

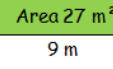
3 

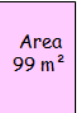
4 

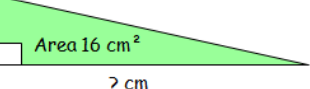
5 

6 

7 

8 

9 

10 

Key Facts/Formulae:

Rectangle:

$$A = L \times B$$

Square:

$$A = L^2$$

Triangle:

$$A = \frac{1}{2} \times B \times H$$

Bronze Answers

- | | |
|------------------------|------------------------|
| 1. 25 cm ² | 2. 12 m ² |
| 3. 12 mm ² | 4. 27 m ² |
| 5. 48 m ² | 6. 54 cm ² |
| 7. 121 cm ² | 8. 24 m ² |
| 9. 96 m ² | 10. 32 cm ² |

Silver Answers

- | | |
|-----------------------|--------------------------|
| 1. 16 m ² | 2. 9 cm ² |
| 3. 14 mm ² | 4. 60 cm ² |
| 5. 21 m ² | 6. 8 cm ² |
| 7. 36 m ² | 8. 60 cm ² |
| 9. 20 cm ² | 10. 1000 cm ² |

Gold Answers

- | | |
|---------|-----------|
| 1. 2 m | 2. 9 m |
| 3. 5 mm | 4. 8 cm |
| 5. 7 m | 6. 10 cm |
| 7. 8 m | 8. 3 m |
| 9. 9 m | 10. 16 cm |