

Good Morning!

It's a different sort of Monday morning but keep well and active.

Let me know what you are doing to keep yourself busy and I can e mail ideas to the rest of Year 6.

### Maths

You should spend about 10 minutes on 'Quick Maths' - answers tomorrow.

Work through the introduction questions about the area of triangles – the answers for this are after each slide. Then, choose one maths challenge: amazing/ brilliant /magnificent - answers will be posted tomorrow. Don't print anything off just use your Maths home learning book.

### English

Writing Checklist (W.C.) is as normal. Choose 3 features from different categories of the slimmed down version but highlight where you have used your chosen features (or use a fineliner!) After the W.C. work, choose one SPaG mat and one spelling sheet. Don't worry about printing them off just use your Home Learning book.

I will post answers on tomorrow's slides.

Please take screen shots/photos of your work and send to me at:

[Year6@greatchesterford.essex.sch.uk](mailto:Year6@greatchesterford.essex.sch.uk) I am looking forward to seeing it 😊



## Quick Maths

Quick Maths.

Monday 23rd March.

①  $37 + 749$

②  $\frac{6}{7} - \frac{2}{7}$

③  $2 \times 35$

④  $8 \times 3 \times 10$

⑤  $7,015 - 403$

⑥  $10 - 3^2$

⑦  $? - 20 = 86$

⑧  $528 \times 26$

⑨  $874 \div 46$

⑩  $1\frac{5}{8} + \frac{1}{2} =$

### Challenge

Here are the ingredients  
for raspberry ripple ice cream.

250g raspberries

225g caster sugar

2 large eggs

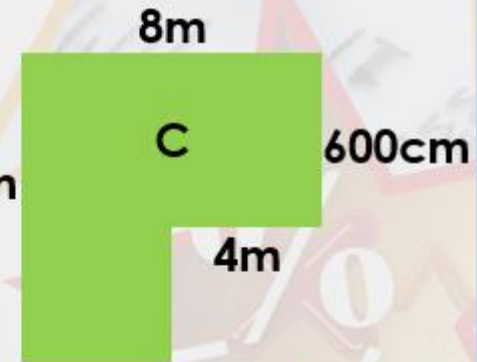
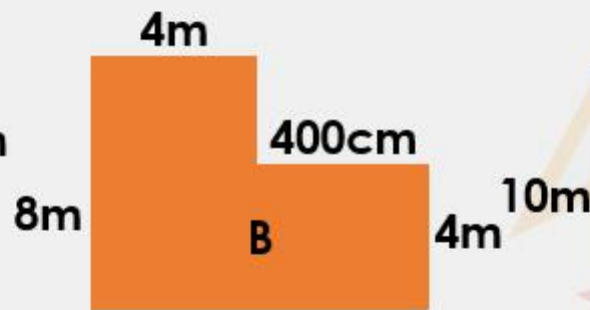
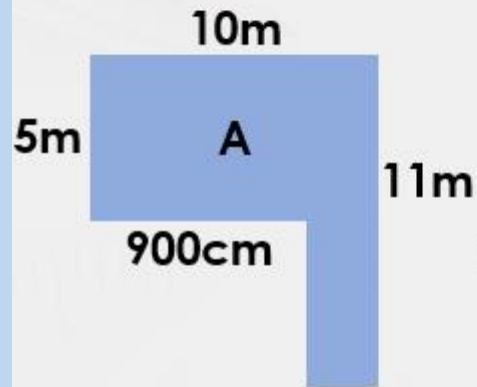
4 large egg yolks

600ml double cream

Jane has to make 5L  
of ice cream for a party.  
Sugar comes in 1kg bags.  
How many bags of sugar  
will be needed?

### Introduction

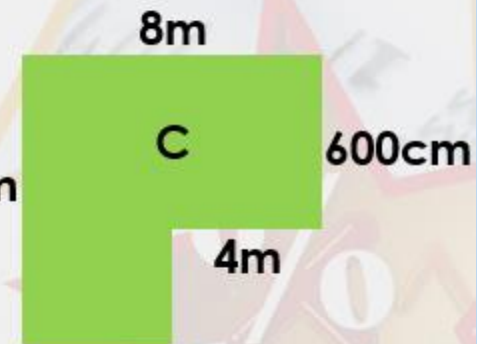
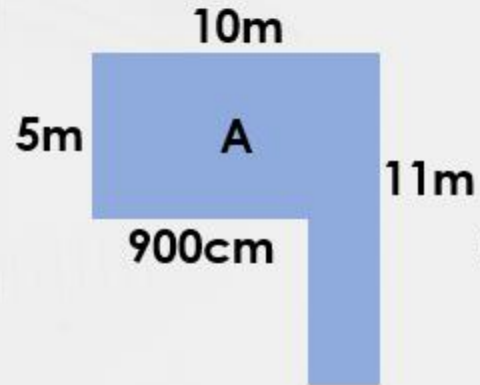
Calculate the area of these compound shapes and order them from smallest to largest.



*not to scale*

### Introduction

Calculate the area of these compound shapes and order them from smallest to largest.

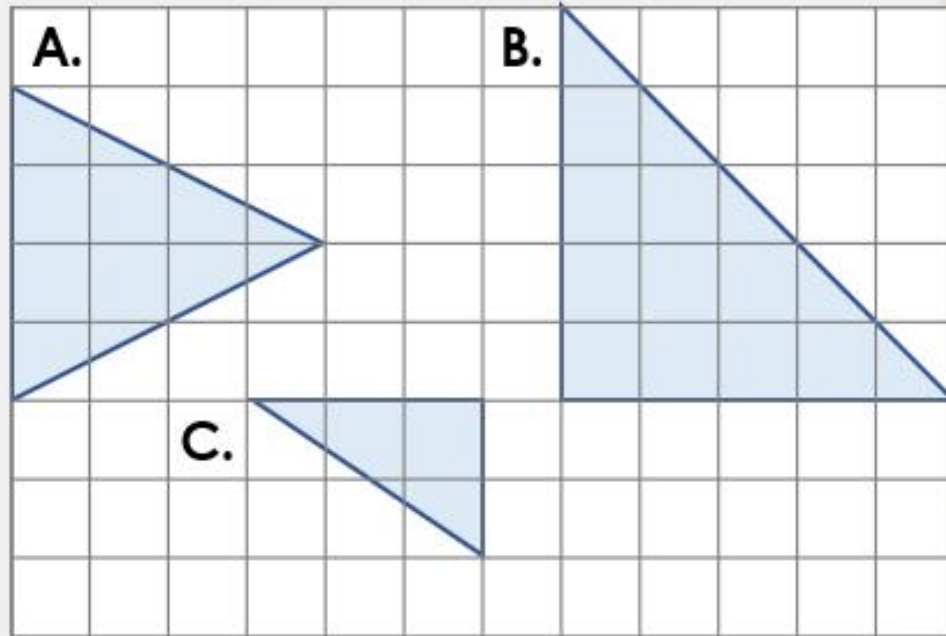


**B.  $48\text{m}^2$ ; A.  $56\text{m}^2$ ; C.  $64\text{m}^2$**

*not to scale*

Find the area of each triangle by counting the squares, then order them from smallest to largest.

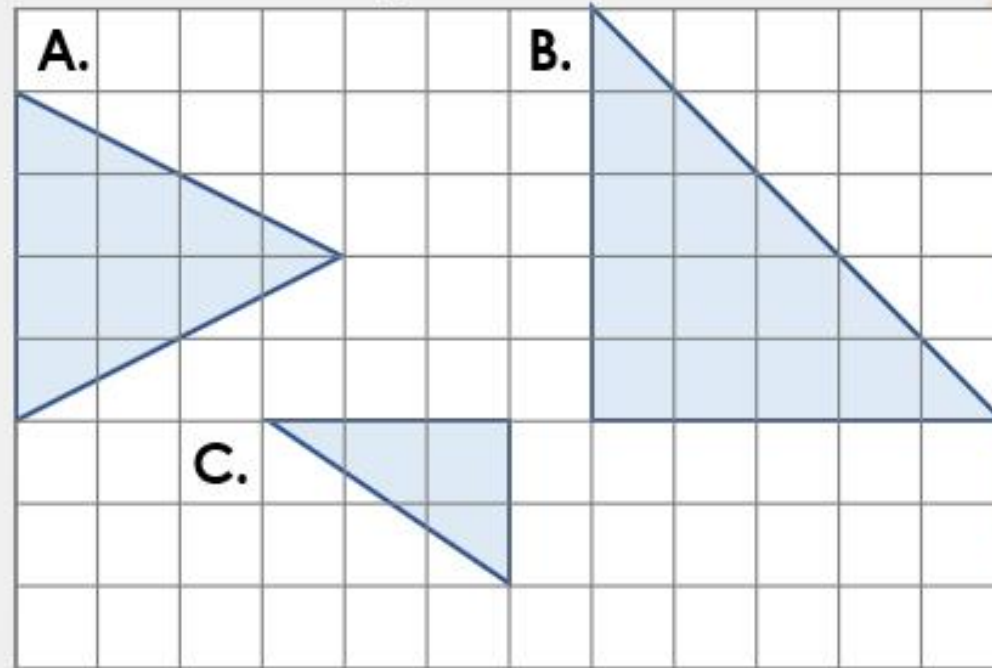
1 square =  $1\text{cm}^2$



*not to scale*

Find the area of each triangle by counting the squares, then order them from smallest to largest.

1 square =  $1\text{cm}^2$

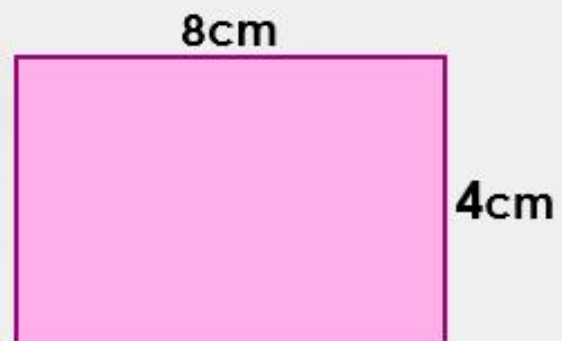


*not to scale*

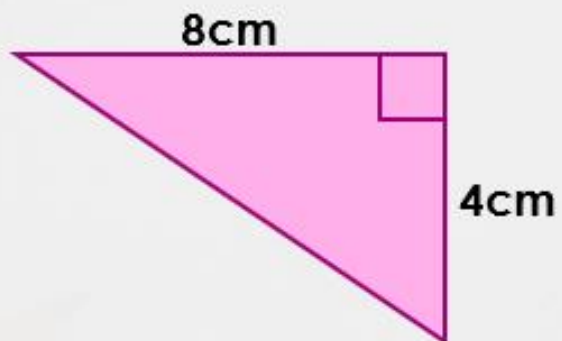
**C.  $3\text{cm}^2$ ; A.  $8\text{cm}^2$ ; B.  $12.5\text{cm}^2$**



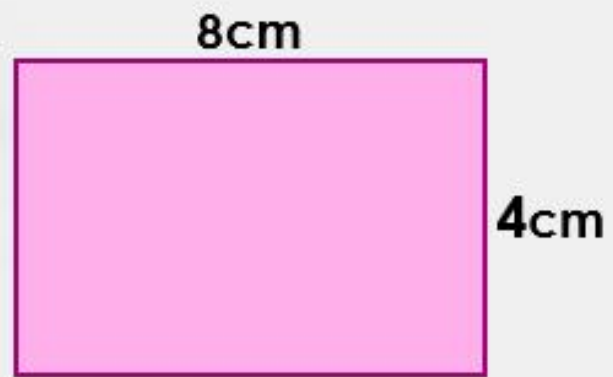
Use the area of the rectangle to calculate the area of the triangle.



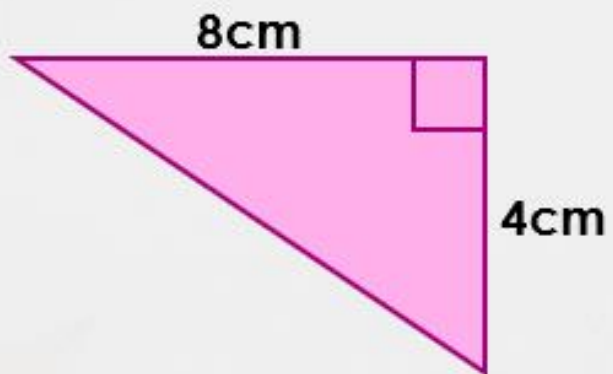
Area =  cm<sup>2</sup>



Area =  cm<sup>2</sup>



$$\text{Area} = \boxed{32} \text{ cm}^2$$



$$32\text{cm}^2 \div 2 = 16\text{cm}^2$$

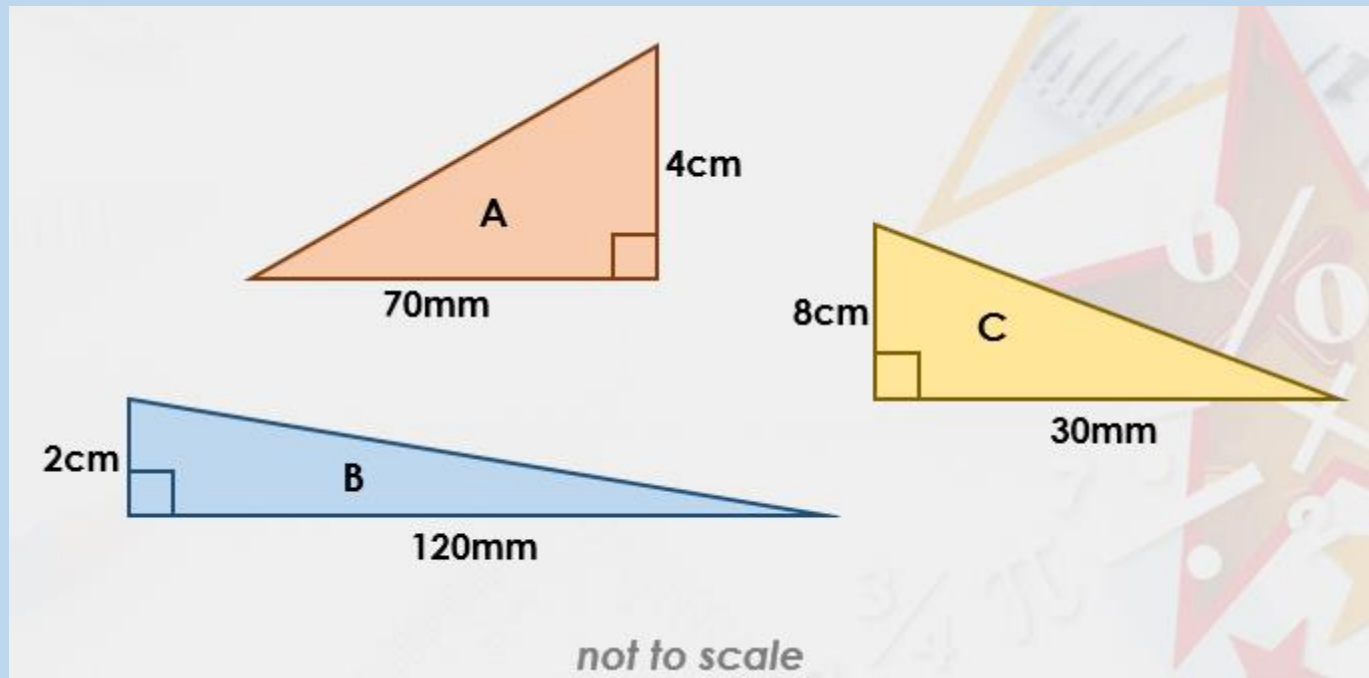
$$\text{Area} = \boxed{16} \text{ cm}^2$$

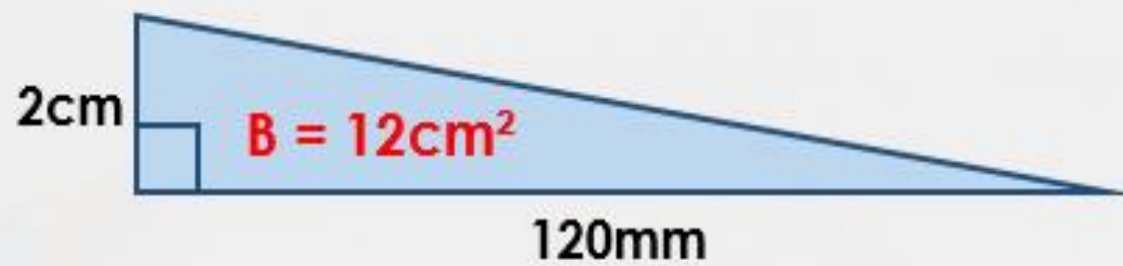
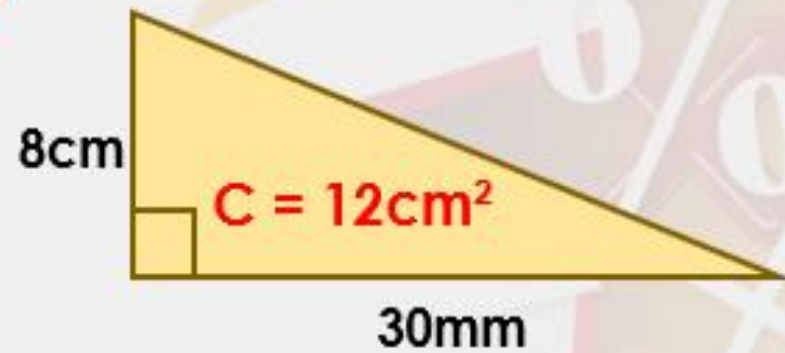
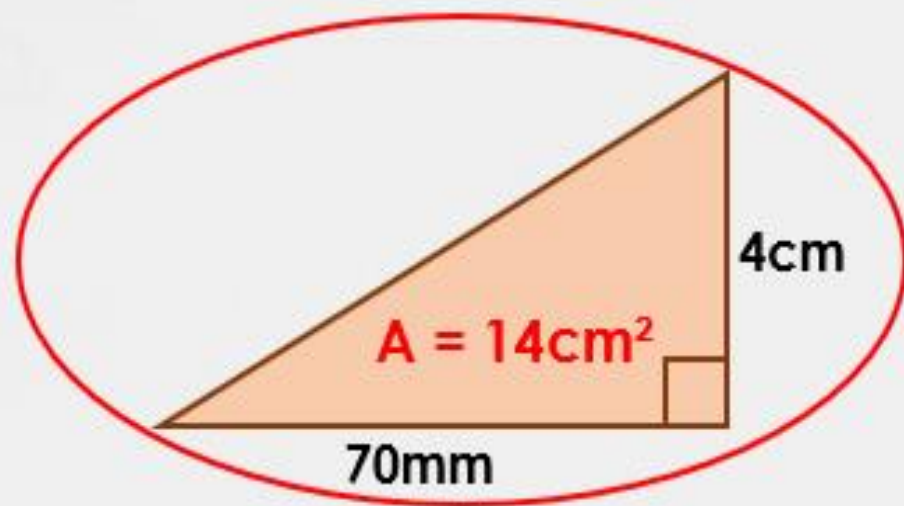


**Formula     $A \text{ (area)} = \frac{1}{2} \text{ Base (b) } \times \text{ Height (h)}$      $A = \frac{1}{2} b \times h$**   
**Can also be written as:**

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

**Calculate the areas of the triangles below and circle the triangle that has a different area.**

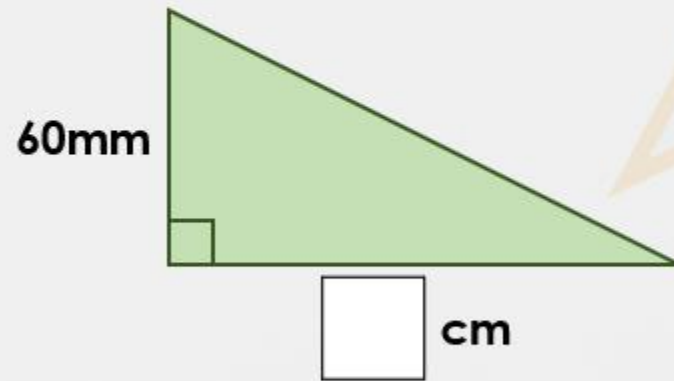




*not to scale*

The area of the triangle is  $36\text{cm}^2$ .  
Using the formula, find the length of the missing side.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

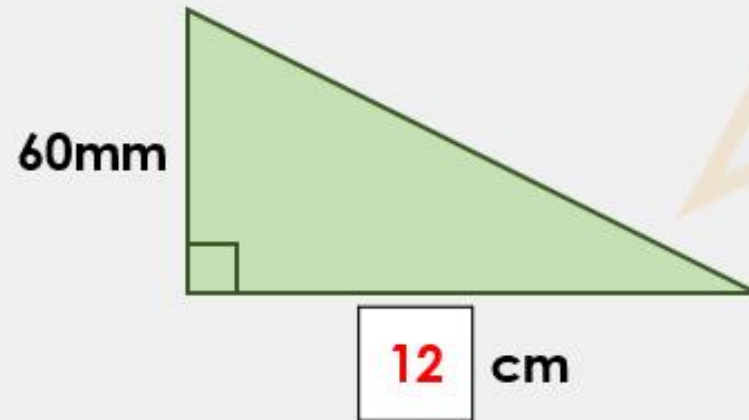


Write your answer in cm. |

*not to scale*

The area of the triangle is  $36\text{cm}^2$ .  
Using the formula, find the length of the missing side.

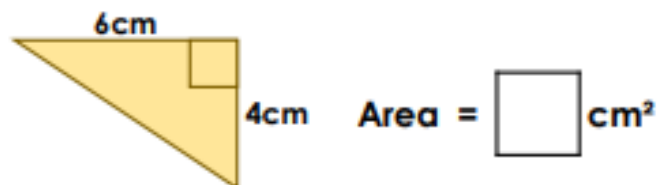
$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$



Write your answer in cm.

Brilliant

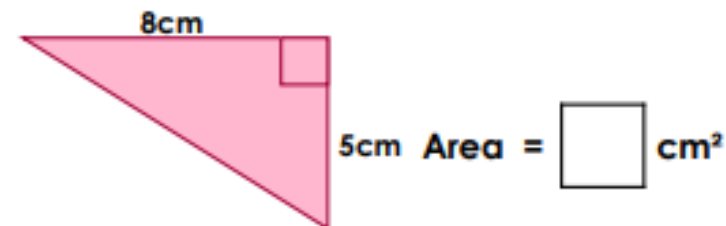
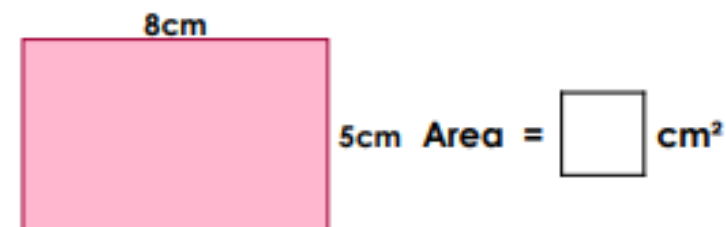
1a. Use the area of the rectangle to calculate the area of the triangle.



not to scale

VF

1b. Use the area of the rectangle to calculate the area of the triangle.



not to scale

VF

2a. Use the rectangles to work out the areas of the triangles below.



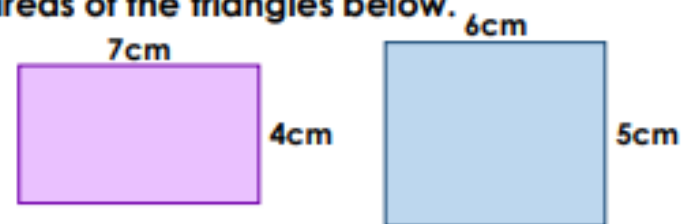
Circle the triangle that has the larger area.



not to scale

VF

2b. Use the rectangles to work out the areas of the triangles below.



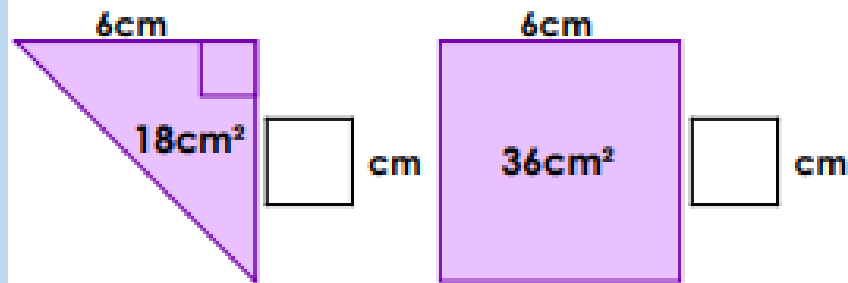
Circle the triangle that has the smaller area.



not to scale

VF

3a. The areas of the triangle and square are written in the centre of the shapes.



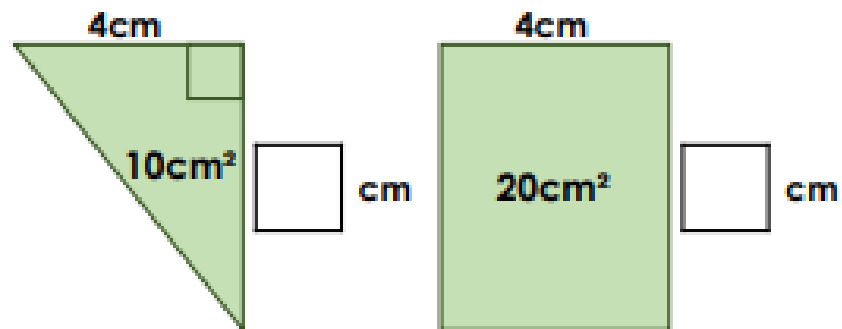
Use your knowledge of area to find the missing value.



*not to scale*

VF

3b. The areas of the triangle and square are written in the centre of the shapes.



Use your knowledge of area to find the missing value.



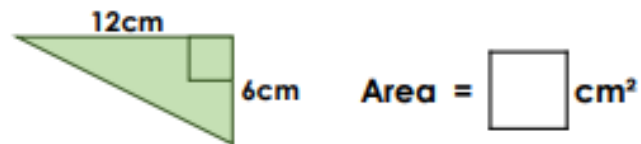
*not to scale*

VF



Amazing

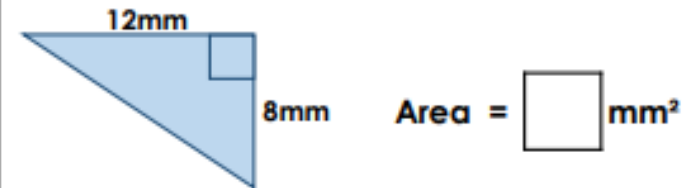
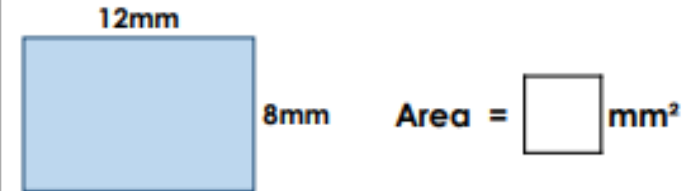
4a. Use the area of the rectangle to calculate the area of the triangle.



not to scale

VF

4b. Use the area of the rectangle to calculate the area of the triangle.

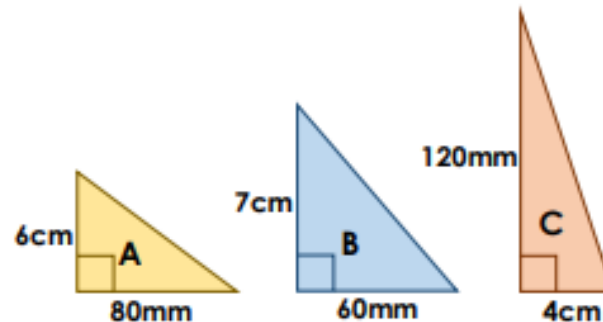


not to scale

VF

5a. Calculate the areas of the triangles below and circle the triangle that has a different area.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

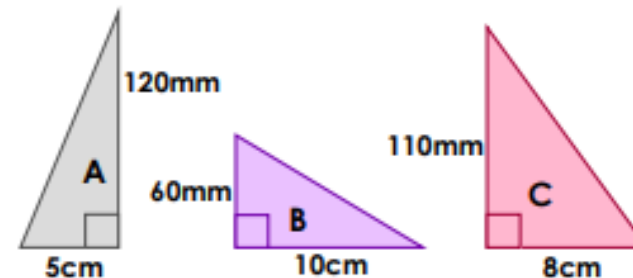


not to scale

VF

5b. Calculate the areas of the triangles below and circle the triangle that has a different area.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

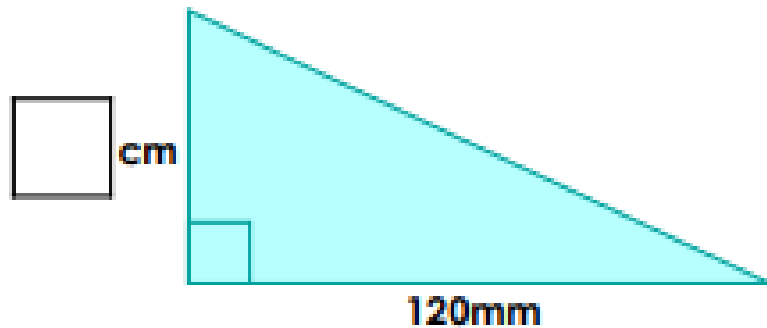


not to scale

VF

6a. The area of the triangle is  $54\text{cm}^2$ .  
Using the formula, find the length of the missing side.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$



Write your answer in cm.

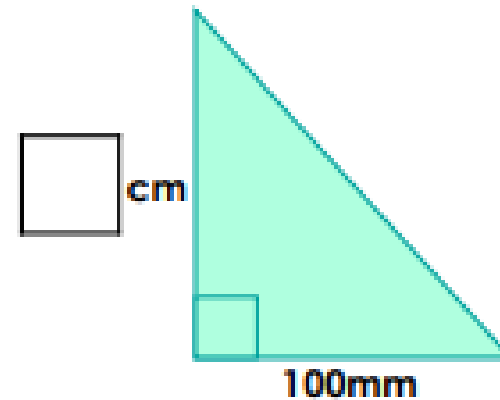


*not to scale*

VF

6b. The area of the triangle is  $55\text{cm}^2$ .  
Using the formula, find the length of the missing side.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$



Write your answer in cm.

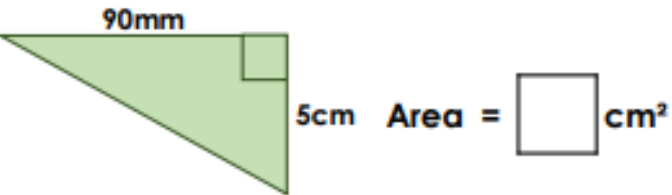
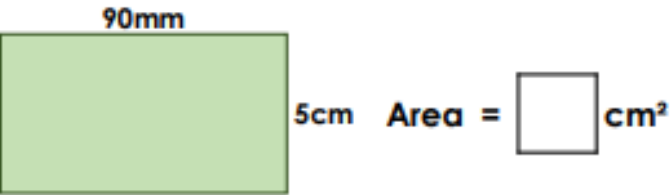


*not to scale*

VF

Magnificent

7a. Use the area of the rectangle to calculate the area of the triangle.



not to scale

VF

7b. Use the area of the rectangle to calculate the area of the triangle.

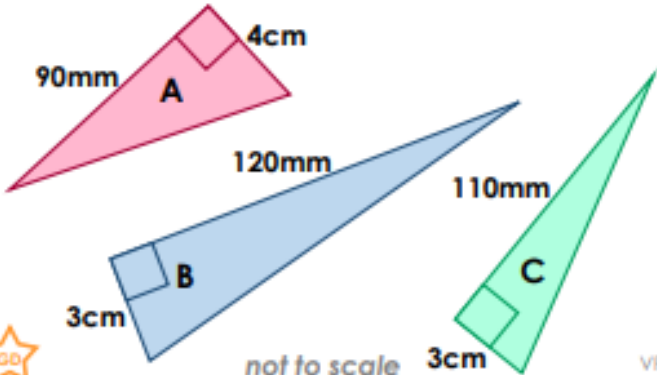


not to scale

VF

8a. Calculate the areas of the triangles below and circle the triangle that has a different area.

area =  $\frac{\text{base} \times \text{height}}{2}$

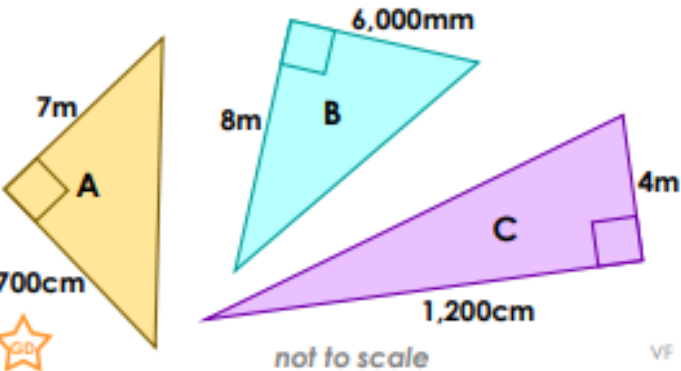


not to scale

VF

8b. Calculate the areas of the triangles below and circle the triangle that has a different area.

area =  $\frac{\text{base} \times \text{height}}{2}$

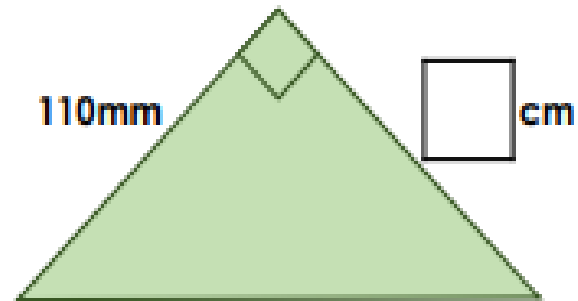


not to scale

VF

9a. The area of the triangle is  $60.5\text{cm}^2$ .  
Using the formula, find the length of the missing side.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$



Write your answer in cm.

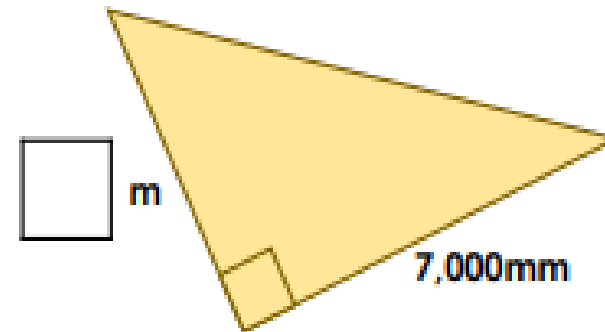


not to scale

VF

9b. The area of the triangle is  $31.5\text{m}^2$ .  
Using the formula, find the length of the missing side.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$



Write your answer in m.



not to scale

VF



## Story starter!

She pulled down on the chain with her left hand, steering herself towards her target. It was supposed to be the most exciting birthday present ever; a hot air balloon ride. However, Alice had been hanging on for dear life for over 100KM (since the basket of the hot air balloon had fallen off). She was now getting used to steering the huge balloon by manoeuvring her body, leaning to the left or to the right.

Terrified yet excited at the same time, Alice could just about make out her house and garden far below. It was the one surrounded by trees straight ahead, wasn't it?

She took a deep breath and focused...

Can you continue the story about Alice and the hot air balloon? Will she reach the ground safely? Will she land in the right garden?

Use this to start your story or create one of your own  
Use three features from your W.C.

Choose **one** of the three SPaG Mats to complete

**a**  
Tick the sentence that uses the colon correctly.

I saw several memorable creatures at the aquarium an octopus: an anemone and a sea turtle.

I saw several memorable creatures at the aquarium: an octopus, an anemone and a sea turtle.

I saw several memorable creatures: at the aquarium an octopus, an anemone and a sea turtle.



**b**  
Should these words end in -ance or -ence?

obedi\_\_\_\_\_

ignor\_\_\_\_\_

**c**  
Underline the relative pronoun in this sentence.

Dinosaurs were a breed of reptiles, which became extinct millions of years ago.



**d**  
Read these words:

aqueduct    aquatic

Tick what you think the prefix aqua- means:

to swim ☐

geography ☐

water ☐

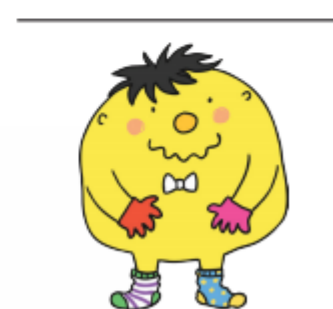
**e**  
Underline the object in this sentence.

The boy held the flag tightly.



**f**  
Forgetful Mr Whoops is very confused about noun phrases, prepositional phrases and subordinate clauses. Can you help him by saying which is underlined in this sentence?

From behind the door, there was a peculiar sound.





**a**  
Add a colon to this sentence in the correct position.

I saw several memorable creatures  
at the aquarium an octopus, an  
anemone and a sea turtle.



**b**  
Should these words end in -ance  
or -ence?

obedi\_\_\_\_\_

ignor\_\_\_\_\_

extravag\_\_\_\_\_

**c**  
Combine these two sentences into  
one sentence containing a relative  
clause.

Dinosaurs were a breed of reptiles.  
They became extinct millions of  
years ago.

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**d**  
Read these words:

aqueduct    aquatic

Tick what you think the  
prefix aqua- means:

to swim ☐ geography ☐ water ☐

Can you think of another word with  
aqua- as a prefix? Use a dictionary if  
you need to. \_\_\_\_\_

**e**  
Label the boxes with V (verb),  
S (subject) and O (object) to show  
the parts of the sentence.

The boy held the flag tightly.



**f**  
Forgetful Mr Whoops is very  
confused about noun phrases,  
prepositional phrases and subordinate  
clauses. Can you help him by saying  
which is underlined in this sentence?

From behind the door,  
there was a peculiar sound.

\_\_\_\_\_

Foxes have distinctive, bushy tails.

\_\_\_\_\_

**a**  
Rewrite this sentence adding the appropriate punctuation mark.

I saw several memorable creatures at the aquarium an octopus an anemone and a sea turtle.

---

---

---

**c**  
Add a relative clause to this sentence.

Dinosaurs were a breed of reptiles.

---

---

---

**e**  
Label the boxes with V (verb), S (subject) and O (object) to show the parts of the sentence.

The boy held the flag tightly.



Can you give a synonym for 'tightly'?

---

**b**  
Should these words end in -ance or -ence?

obedi\_\_\_\_\_

ignor\_\_\_\_\_

extravag\_\_\_\_\_

Now, use one of the words in a present perfect sentence.

---

---

**d**  
Read these words:

aqueduct    aquatic

Tick what you think the prefix aqua- means:

to swim ☐ geography ☐ water ☐

Can you think of another word with aqua- as a prefix? \_\_\_\_\_

**f**  
Forgetful Mr Whoops is very confused about noun phrases, prepositional phrases and subordinate clauses. Can you help him by saying which is underlined in this sentence?

From behind the door,  
there was a peculiar sound.

\_\_\_\_\_

Foxes have distinctive, bushy tails.

\_\_\_\_\_

Yesterday, I travelled to a village  
beyond the city.

---

# -able and -ible Word Endings

Add the correct -able and -ible words to the sentences using the word bank below to help you.

1. Sadie's new puppy was \_\_\_\_\_ – it got lots of attention at the park.
2. When we got home from holiday, I couldn't wait to sleep in my own \_\_\_\_\_ bed again.
3. In our science lesson, we were investigating whether it was \_\_\_\_\_ to mix oil and water.
4. My older sister is often \_\_\_\_\_ to me when her friends are around.
5. "What is that \_\_\_\_\_ noise?" screamed my mum when I first started learning to play the trumpet.
6. My teacher told me that my science fiction story was \_\_\_\_\_.
7. "Is the mark on my t-shirt \_\_\_\_\_?" asked Daphne.
8. Although he had an unusual accent, the words he spoke were completely \_\_\_\_\_.

Choose **one** of the three spelling activities  
To complete

## Word Bank

possible

terrible

adorable

noticeable

horrible

incredible

comfortable

understandable

# -able and -ible Word Endings

Rewrite these sentences and change the underlined root word into an adjective by adding -able or -ible.

1. Sadie's new puppy was adore – it got lots of attention at the park.

---

2. When we got home from holiday, I couldn't wait to sleep in my own comfort bed again.

---

3. My older sister is often horror to me when her friends are around.

---

4. "What is that terror noise?" screamed my mum when I first started learning to play the trumpet.

---

5. "Is the mark on my t-shirt notice?" asked Daphne.

---

6. Although he had an unusual accent, the words he spoke were completely understand.

---

7. After playing cricket all summer, I have gained consider skill.

---

8. The school rules are apply to all pupils so it is important to abide by them.

---

# -able and -ible Word Endings

Choose the correct root word from the word bank below. Turn the root word into an adjective by adding -able or -ible and insert the adjective into the correct sentence below.

1. Sadie's new puppy was \_\_\_\_\_ – it got lots of attention at the park.
2. When we got home from holiday, I couldn't wait to sleep in my own \_\_\_\_\_ bed again.
3. My older sister is often \_\_\_\_\_ to me when her friends are around.
4. "What is that \_\_\_\_\_ noise?" screamed my mum when I first started learning to play the trumpet.
5. "Is the mark on my t-shirt \_\_\_\_\_?" asked Daphne.
6. Although he had an unusual accent, the words he spoke were completely \_\_\_\_\_.
7. After playing cricket all summer, I have gained \_\_\_\_\_ skill.
8. The school rules are \_\_\_\_\_ to all pupils so it is important to abide by them.
9. Riding his bike into school for the first time, Hassan was very \_\_\_\_\_.
10. The police had to make a \_\_\_\_\_ entry into the house where the burglar was hiding.

## Word Bank

force

comfort

horror

terror

notice

adore

understand

consider

apply

sense