Name:

Exam Style Questions

Area of a Triangle

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

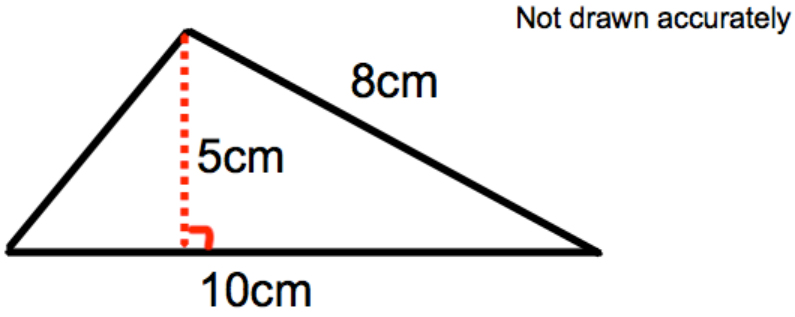
1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 49

1.



Calculate the area of the triangle.

.....cm²
(2)

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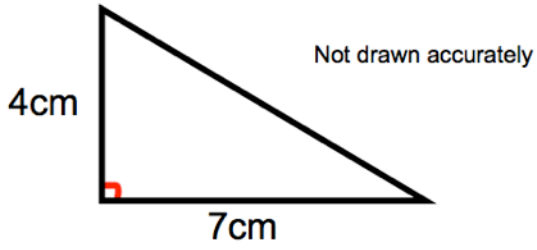
2. A triangle has base length of 14cm.
The perpendicular height is 9cm.
Find the area of the triangle.

.....cm²
(2)

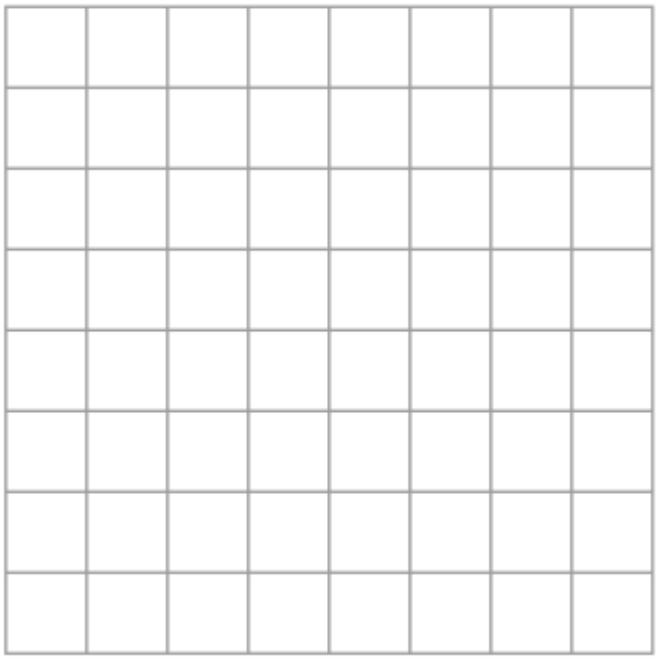
3.



Work out the area of the right-angled triangle.

.....cm²
(2)

4. On the grid below each square represents 1cm by 1cm.



Draw a triangle with an area of 10cm².

(2)

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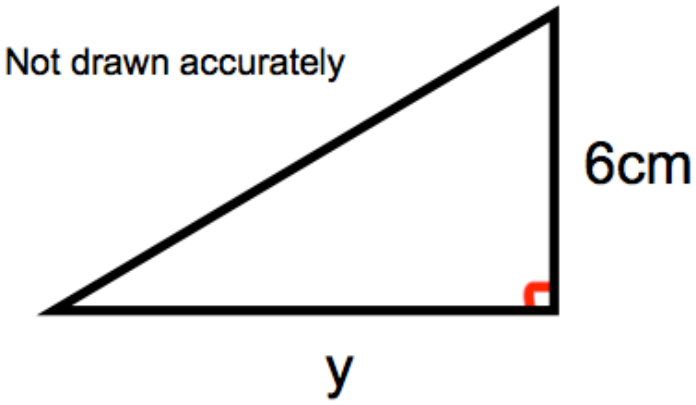
5. Shown below is a right-angled triangle.

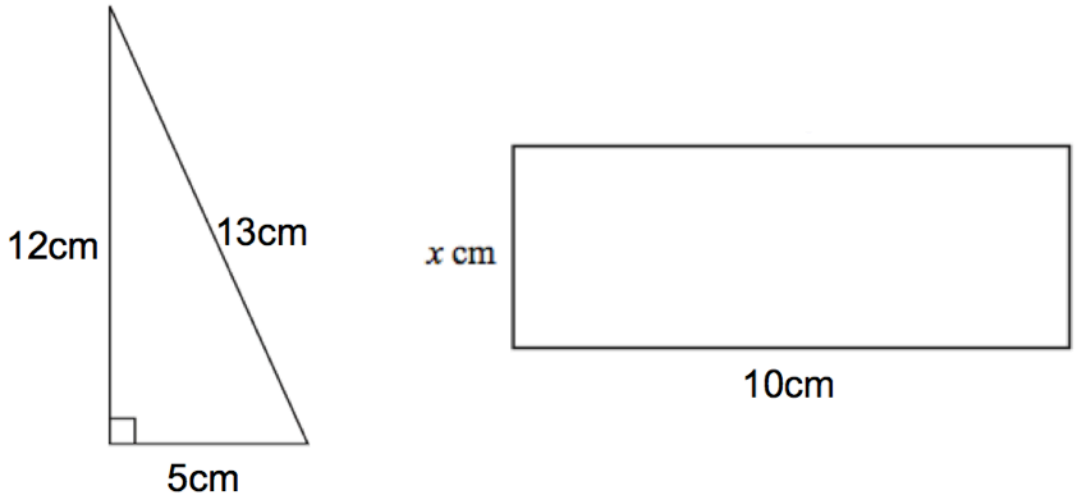


The area of the triangle is 21cm²
Calculate y, the length of the base.

.....cm

(2)

6. Below is a right-angled triangle and a rectangle.



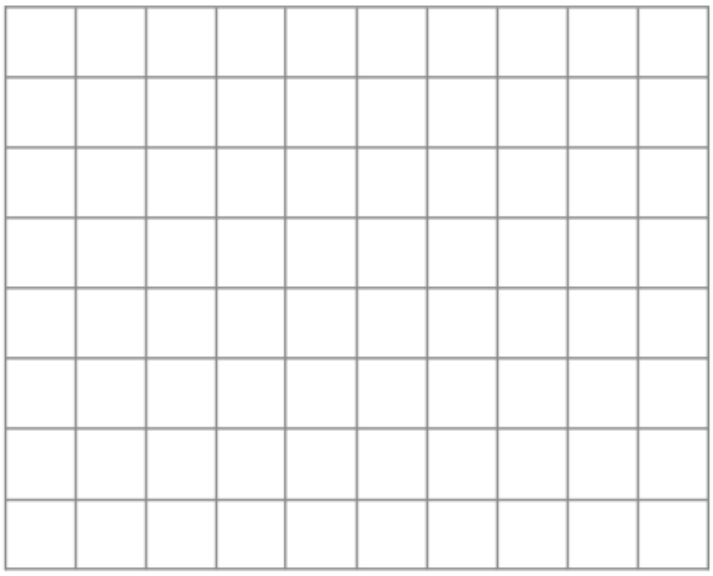
The area of the right-angled triangle is equal to the area of the rectangle.

Calculate x

.....cm

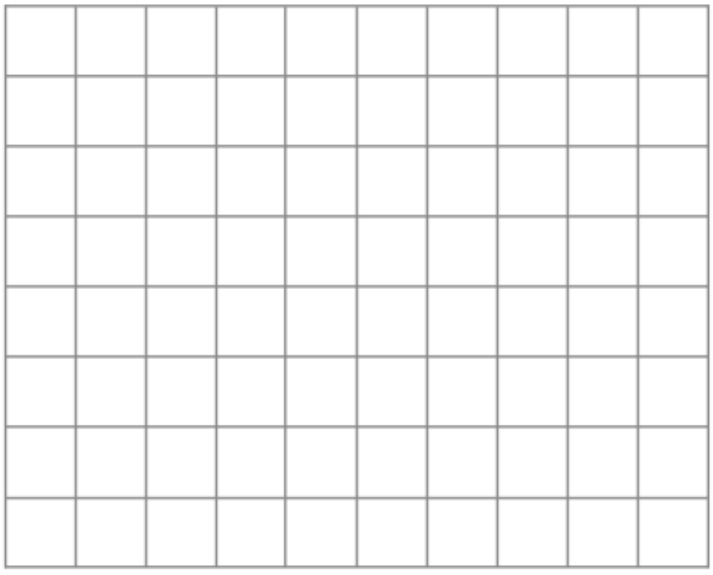
(4)

7.



(a) On the centimetre grid above, draw an isosceles triangle with area 15cm²

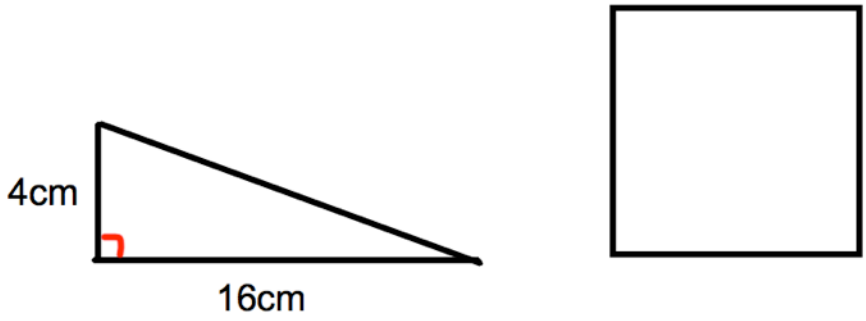
(2)



(b) On the centimetre grid above, draw a scalene triangle with area 10cm²

(2)

8. Below is a diagram of a right-angled triangle and a square.



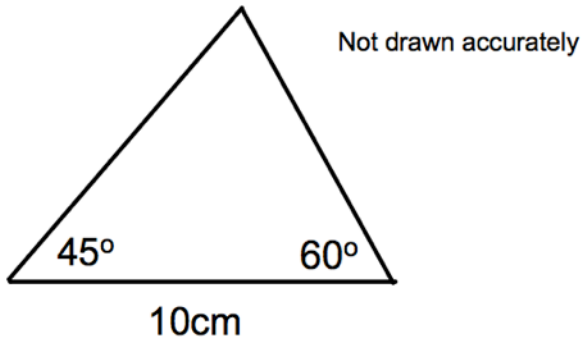
The area of the square is twice the area of the triangle.

Calculate the length of each side of the square.

.....cm

(4)

9. Below is a sketch of a triangle, not drawn to scale.



(a) Make an accurate drawing of the triangle below.

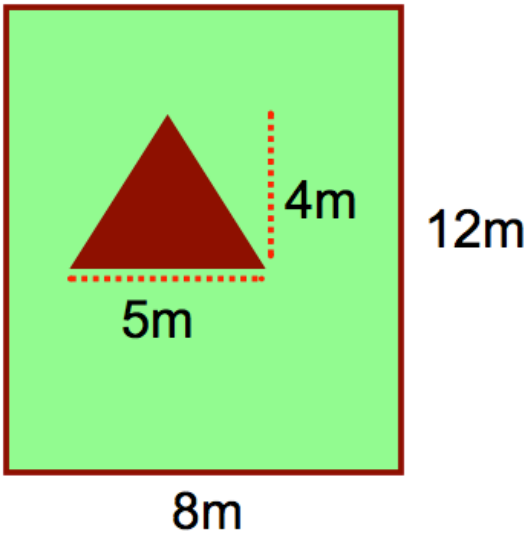
(2)

(b) Calculate the area of the triangle.

.....cm²

(2)

10. The diagram below shows a garden.



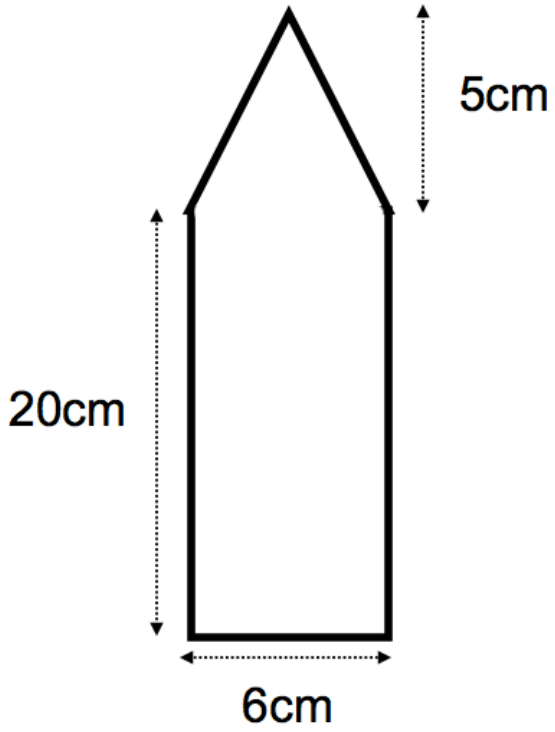
The garden has a triangular vegetable patch and the rest of the garden is grass.

Calculate the area of the garden that is grass.

.....m²

(4)

11. A logo consists of a rectangle and an isosceles triangle.

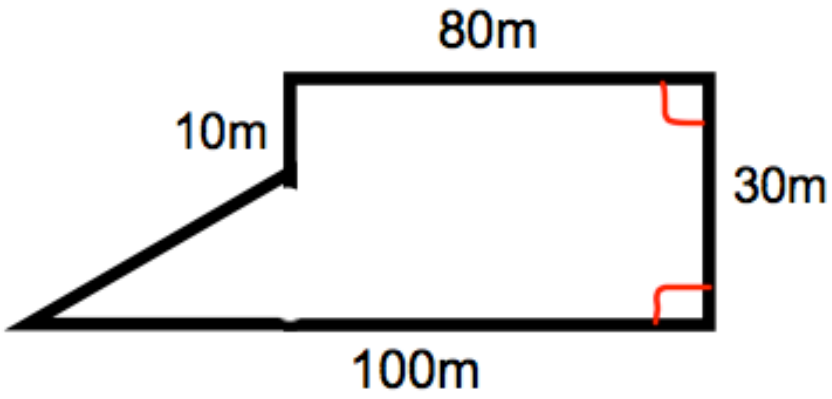


Calculate the area of the logo.

.....cm²

(4)

12. The diagram below shows a farmer's field.



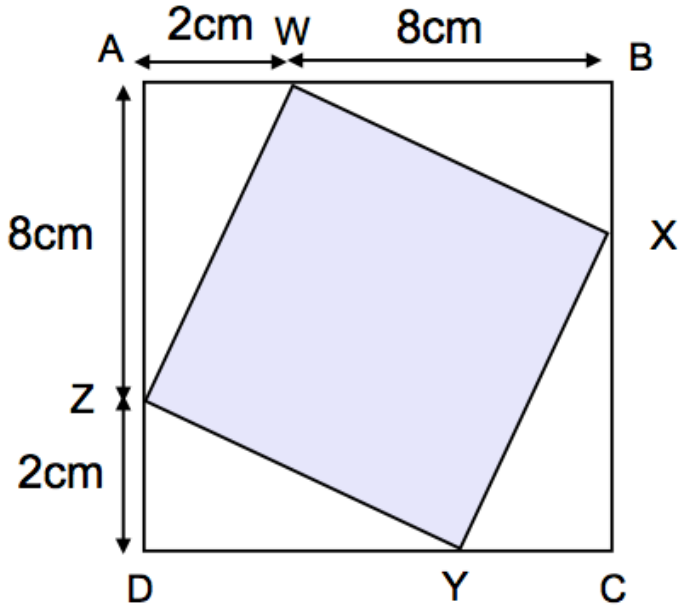
The farmer wants to plant a new crop.
Each sack of seed covers 30m².
The cost of each sack is £6.

Work out the cost to buy enough seed to cover the field.

£.....

(6)

13. ABCD and WXYZ are squares.



Calculate the area of the shaded square WXYZ.

.....cm²

(4)