Name:

Exam Style Questions

Types of Triangle

Corbettmaths

Equipment needed: Calculator, pen, ruler & pencil

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 327

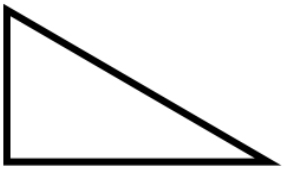
Answers and Video Solutions

1. Here is a list of names of triangles.

equilateral triangle
isosceles triangle
scalene triangle
right-angled triangle

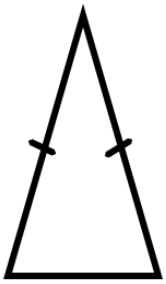
Use the list to label each diagram correctly.

(a)



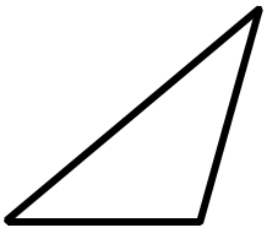
.....**(1)**

(b)



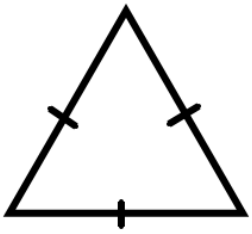
.....**(1)**

(c)



.....**(1)**

(d)



.....**(1)**

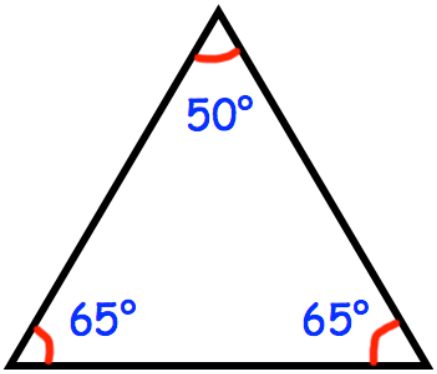
2. Draw a right-angled triangle.

(1)

3. Draw a scalene triangle.

(1)

4. Shown below is a triangle.



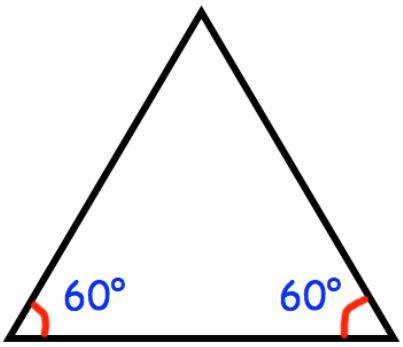
Not drawn accurately

Write down the type of triangle shown.

.....

(1)

5. Shown below is a triangle.



Not drawn accurately

Richard says the triangle is an isosceles triangle.
Martin says the triangle is a scalene triangle.
Lauren says the triangle is an equilateral triangle.

Who is right? Explain your answer.

Correct person .....

Reason .....

.....

.....

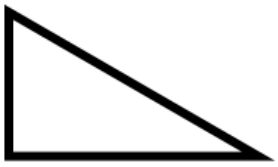
.....

(2)

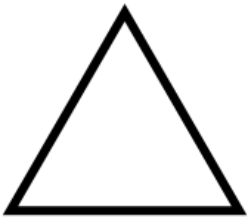
6. Match each triangle to the correct name.

Right-angled triangle

Equilateral triangle



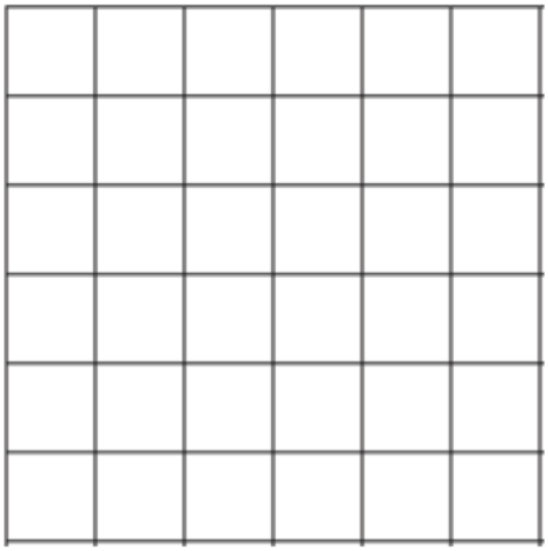
Scalene triangle



Isosceles triangle

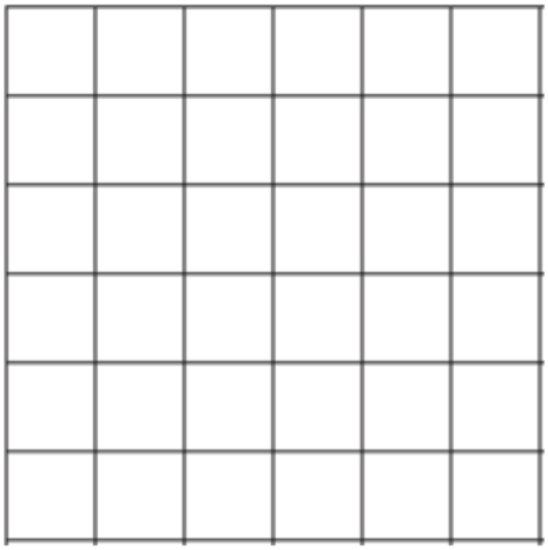
(2)

7.



(a) On the grid above, draw a right angle triangle.

(1)



(b) On the grid above, draw an isosceles triangle.

(1)

8.

On the isometric grid above, draw an equilateral triangle.

(1)

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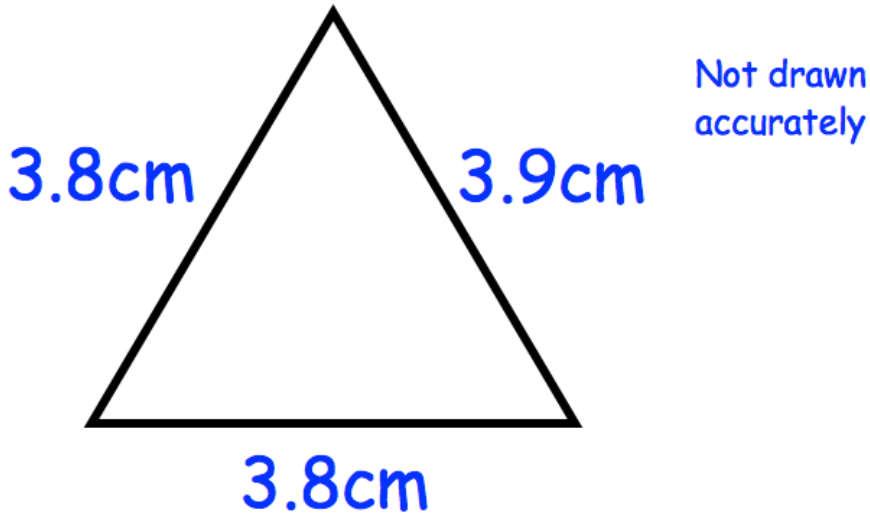
9. Shown below is a triangle.



(a) Write down the type of triangle shown.

.....

(1)

(b) Work out the perimeter of the triangle.

.....

(1)

10. Make an accurate drawing of an equilateral triangle of side length 6cm.

(2)

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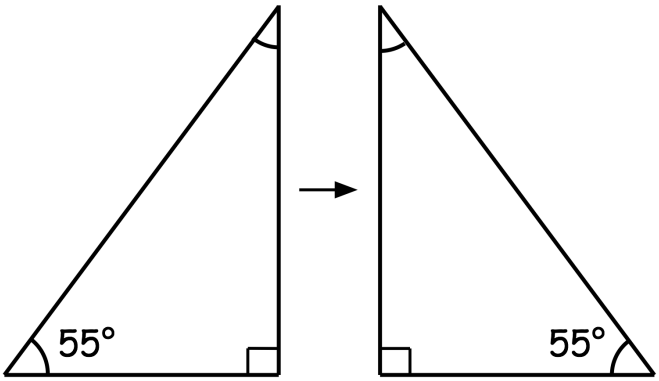
11. Circle the type of triangle with the most lines of symmetry.

Scalene Equilateral Isosceles Right Angled

(1)

12. Two small, congruent, right angled triangles are joined together to make a larger triangle as shown below.

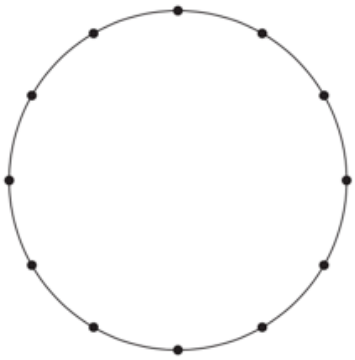


Tick the correct boxes for the four statements.

	True	False
The larger triangle will be a right angled triangle	☐	☐
The larger triangle will be an isosceles triangle	☐	☐
The perimeter of the larger triangle is twice the perimeter of one of the small triangles.	☐	☐
The area of the larger triangle is twice the area of one of the small triangles.	☐	☐

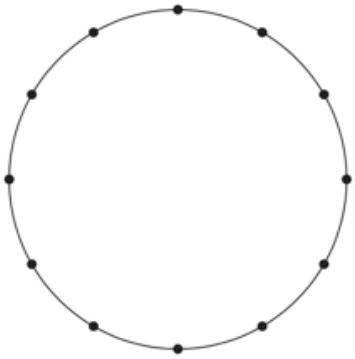
(2)

13. Shown below are circles with 12 equally spaced points.



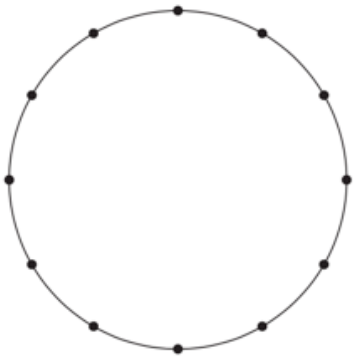
(a) Join 3 points to make an isosceles triangle.

(1)



(b) Join 3 points to make an equilateral triangle.

(1)



(c) Join 3 points to make a scalene triangle.

(1)

14. Tolga says

"I have down a triangle with one acute angle, one right angle and one obtuse angle."

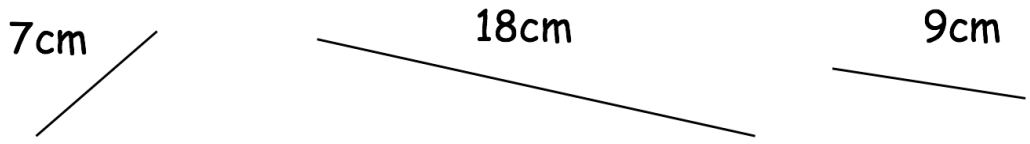
Explain why Tolga must be wrong.

.....

.....

(2)

15. Lily has 3 different wooden rods.



Explain why she cannot make a triangle.

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(2)