

Congruent Shapes

Video 66 on www.corbettmaths.com

Examples



Click here

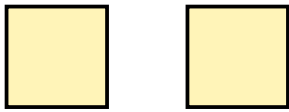


Scan here

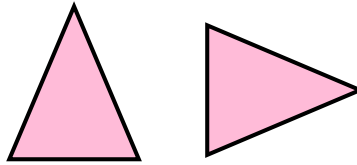
Workout

Question 1: For each pair of shapes, state whether they are congruent or not congruent

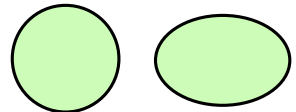
(a)



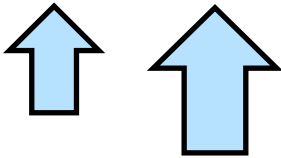
(b)



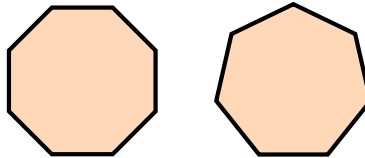
(c)



(d)



(e)

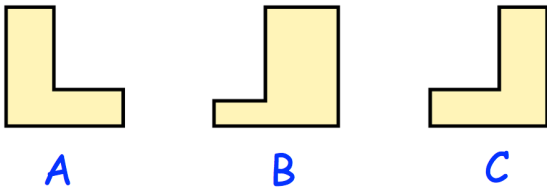


(f)

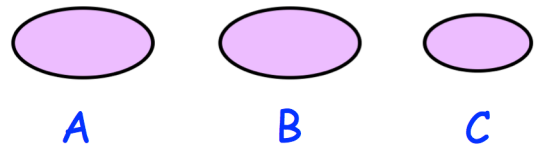


Question 2: Write down the shape that is not congruent to the others

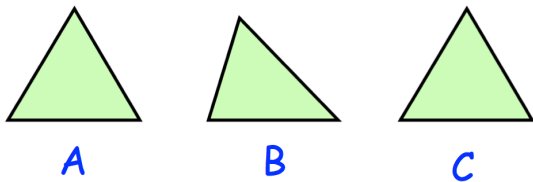
(a)



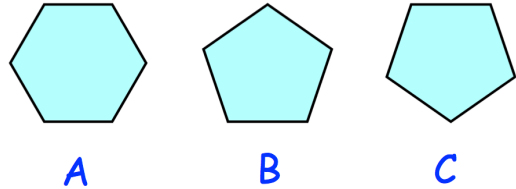
(b)



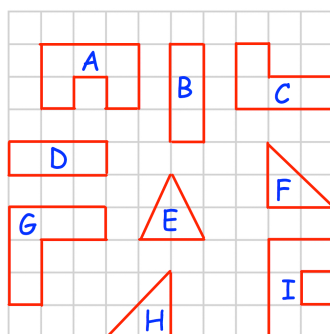
(c)



(d)



Question 3: Which pairs of shapes on the grid are congruent?




Congruent Shapes


Video 66 on www.corbettmaths.com

Apply

Question 1: Can Barry be correct?
Explain your answer.



Alan



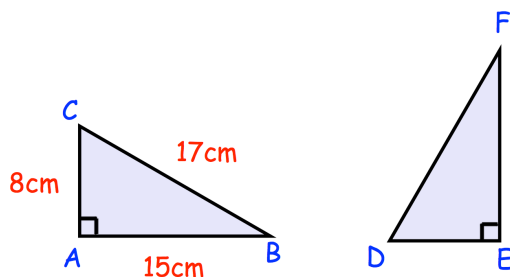
Barry

I have drawn a circle with a diameter of 4cm

I have drawn a circle. It is congruent to your circle but has a different diameter

Question 2: Triangles ABC and DEF are congruent.

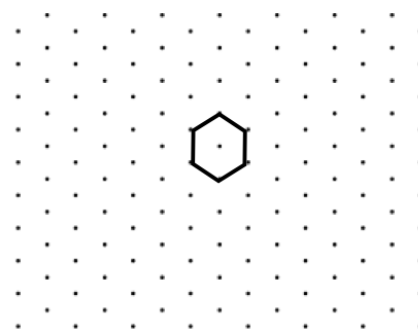
- (a) Write down the length of DF
- (b) Write down the length of AC
- (c) Write down the length of DE



Question 3: Triangles A and B are congruent.
Tick the correct boxes.

	True	False	Maybe
If Triangle A is isosceles, Triangle B has to be isosceles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triangles A and B have different size angles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triangle A has a larger area than Triangle B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Question 4: A regular hexagon is drawn below.
Draw at least 8 more congruent hexagons to show the hexagon tessellates.



Answers



Click here



Scan here