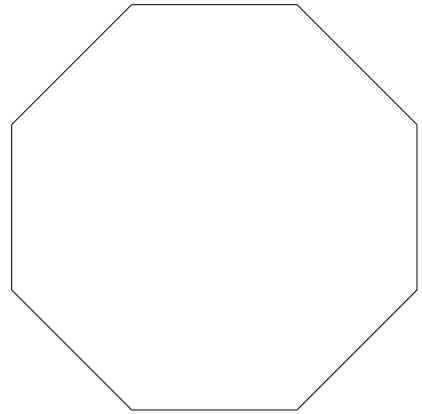


Jungle Hideout 1

What is the measure of each angle of this regular polygon?

- If 900° then go to 2**
- If 1080° then go to 10**
- If 128.5° then go to 11**
- If 129° then go to 7**
- If none of these then go to 5**



Jungle Hideout 2

**The exterior angle of a regular polygon is 40° .
What kind of polygon is it?**

- If a nonagon then go to 12**
- If an octagon then go to 8**
- If a hexagon then go to 9**
- If a decagon then go to 1**
- If none of these then go to 5**

Jungle Hideout 3

Two angles of a triangle are 35° and 73° . Which of these *cannot* be an exterior angle of the triangle.

If 145° then go to 4

If 144° then go to 8

If 108° then go to 3

If 107° arc then go to 2

If none of these then go to 9

Jungle Hideout 4

A polygon has an interior angle sum of 10440° . What kind of polygon is it?

If a 20-gon then go to 10

If a 30-gon then go to 1

If a 40-gon then go to 11

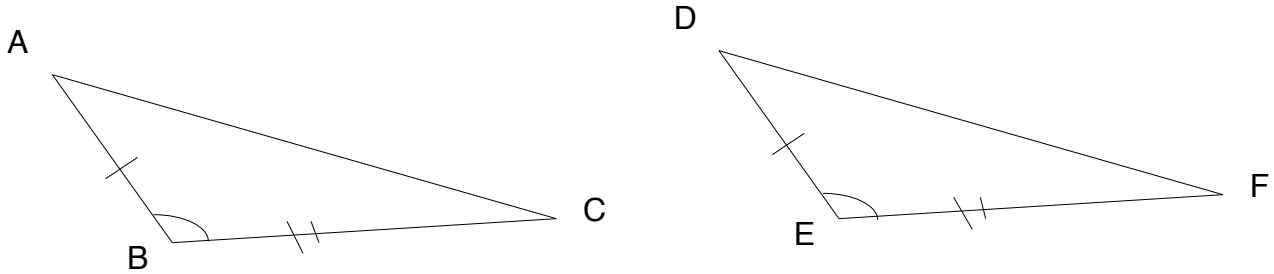
If a 50-gon then go to 12

If none of these then go to 7

Jungle Hideout 5

What conjecture will you use to prove triangles ABC and DEF are congruent?

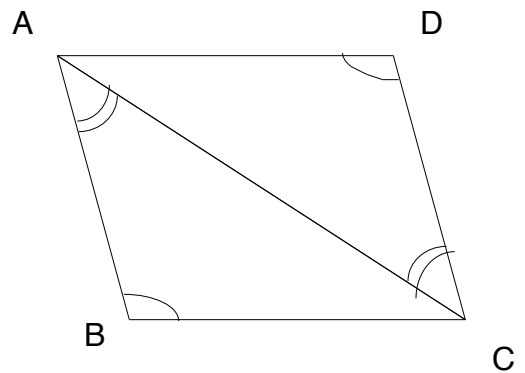
If AAS	then go to 4
If SSS	then go to 3
If SAA	then go to 6
If ASA	then go to 11
If none of these	then go to 2



Jungle Hideout 6

What conjecture will you use to prove triangles ABC and ADC are congruent?

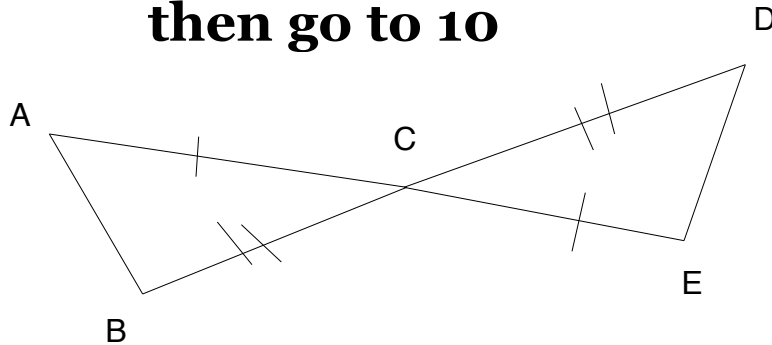
If AAS	then go to 10
If SSS	then go to 1
If SAS	then go to 9
If ASA	then go to 11
If none of these	then go to 4



Jungle Hideout 7

What conjecture will you use to prove triangles ABC and DEC are congruent?

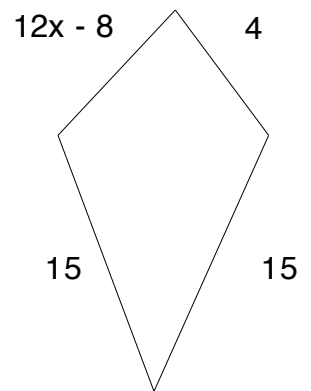
If AAS	then go to 7
If SSS	then go to 6
If SAS	then go to 11
If ASA	then go to 12
If none of these	then go to 10



Jungle Hideout 8

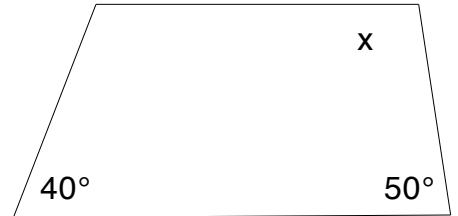
This is a kite. Solve for x .

If $x = 1$	then go to 6
If $x = 2$	then go to 3
If $x = 3$	then go to 1
If $x = 4$	then go to 9
If none of these	then go to 5



Jungle Hideout 9

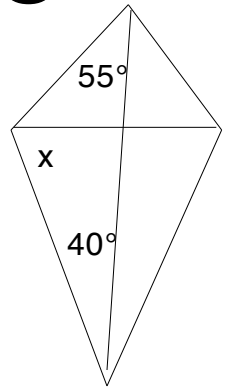
This is a trapezoid. Solve for x .



- If $x = 40^\circ$ then go to 8
- If $x = 50^\circ$ then go to 2
- If $x = 140^\circ$ then go to 10
- If $x = 130^\circ$ then go to 3
- If none of these then go to 12

Jungle Hideout 10

This is a kite. Solve for x .



- If $x = 55^\circ$ then go to 5
- If $x = 50^\circ$ then go to 4
- If $x = 45^\circ$ then go to 6
- If $x = 40^\circ$ then go to 7
- If none of these then go to 5

Jungle Hideout 11

This is a parallelogram. What is $x + y$?



If $x + y = 50^\circ$ then go to 12

If $x + y = 40^\circ$ then go to 9

If $x + y = 90^\circ$ then go to 2

If $x + y = 180^\circ$ then go to 1

If none of these then go to 4

Jungle Hideout 12

Find the 2006th term:

23, 29, 35, 41, 47, 53, 60, 66, 72, 78, ...,

If 12053

then go to 2

If 12021

then go to 3

If 2092

then go to 7

If 2063

then go to 8

If none of these

then go to 9