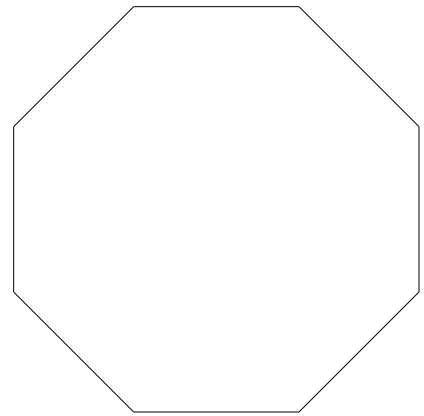


Jungle Hideout 1

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

- If 900° then go to 2
- If 1080° then go to 3
- If 128.5° then go to 11
- If 129° then go to 7
- If none of these then go to 10



Jungle Hideout 2

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

- If a nonagon then go to 5
- 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 12

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 6

If 108° then go to 9

If 107° arc then go to 10

If none of these then go to 5

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

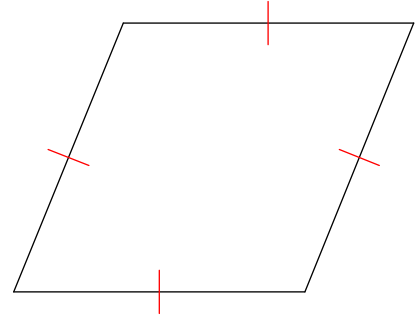
If a 50-gon then go to 12

If none of these then go to 2

Jungle Hideout 5

Classify the quadrilateral

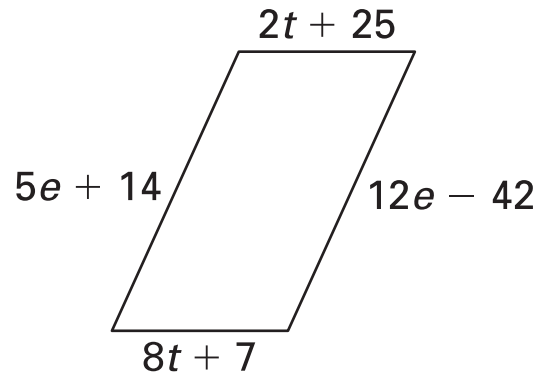
- | | |
|---------------------|---------------|
| If <i>Square</i> | then go to 4 |
| If <i>Rectangle</i> | then go to 3 |
| If <i>Kite</i> | then go to 6 |
| If <i>Pentagon</i> | then go to 11 |
| If none of these | then go to 8 |



Jungle Hideout 6

Solve for t in the parallelogram:

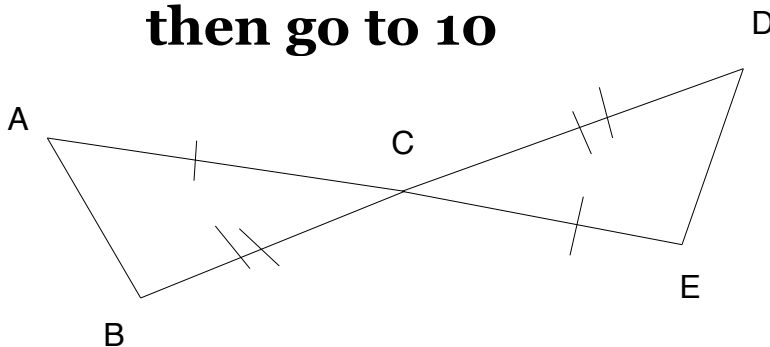
- | | |
|------------------|---------------|
| If $t=3$ | then go to 9 |
| If $t=6$ | then go to 1 |
| If $t=5.3$ | then go to 3 |
| If $t=14.8$ | then go to 11 |
| If none of these | then go to 4 |



Jungle Hideout 7

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

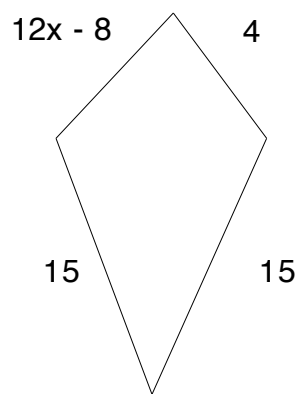
- | | |
|------------------|---------------|
| If AAS | then go to 7 |
| If SSS | then go to 6 |
| If SAS | then go to 11 |
| If ASA | then go to 12 |
| If none of these | then go to 10 |



Jungle Hideout 8

This is a kite. Solve for x .

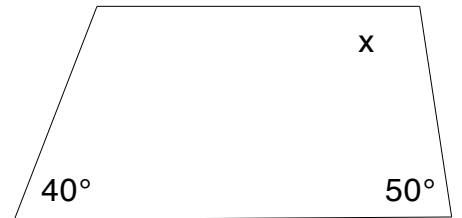
- | | |
|------------------|--------------|
| If $x = 1$ | then go to 6 |
| If $x = 2$ | then go to 3 |
| If $x = 3$ | then go to 1 |
| If $x = 4$ | then go to 9 |
| If none of these | then go to 5 |



Jungle Hideout 9

This is a trapezoid. Solve for x .

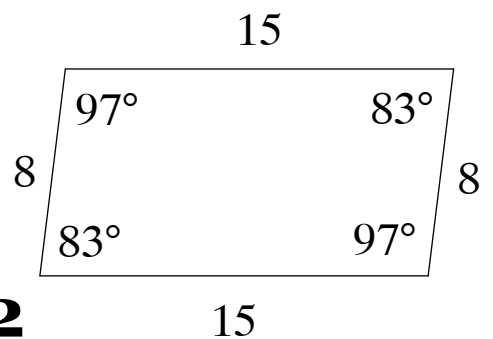
- If $x = 40^\circ$ then go to 8
- If $x = 50^\circ$ then go to 2
- If $x = 140^\circ$ then go to 10
- If $x = 130^\circ$ then go to 12
- If none of these then go to 3



Jungle Hideout 10

Classify the quadrilateral:

- If *Rectangle* then go to 5
- If *Rhombus* then go to 12
- If *Parallelogram* then go to 4
- If *Kite* 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

What is the exterior angle sum of a 500-gon?

If 500° then go to 2

If 180° then go to 3

If 179280° then go to 11

If 360° then go to 7

If none of these then go to 9