

Sahara Hideout 1

What is the shaded area?

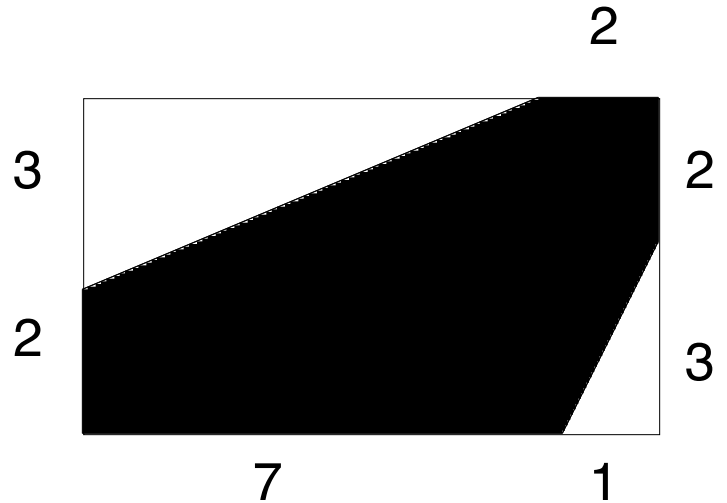
If $A = 12$ then go to 2

If $A = 80$ then go to 4

If $A = 28$ then go to 7

If $A = 29.5$ then go to 5

If none of the above then go to 8



Sahara Hideout 2

What is the shaded area?

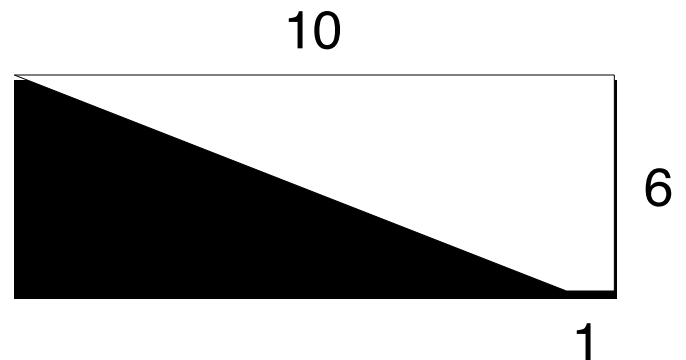
If $A = 30$ then go to 10

If $A = 60$ then go to 9

If $A = 27$ then go to 4

If $A = 54$ then go to 1

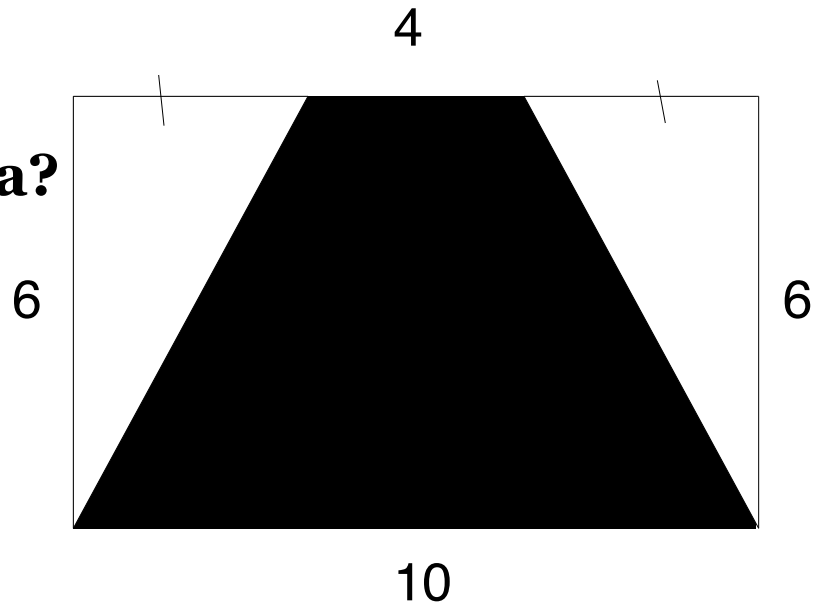
If none of these then go to 5



Sahara Hideout 3

What is the shaded area?

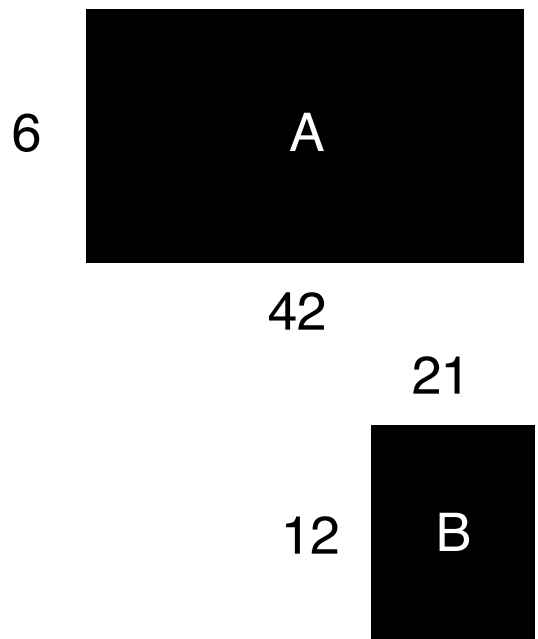
- If 42 then go to 6
- If 21 then go to 8
- If 60 then go to 7
- If 24 arc then go to 2
- If none of these then go to 9



Sahara Hideout 4

Which rectangle is larger?

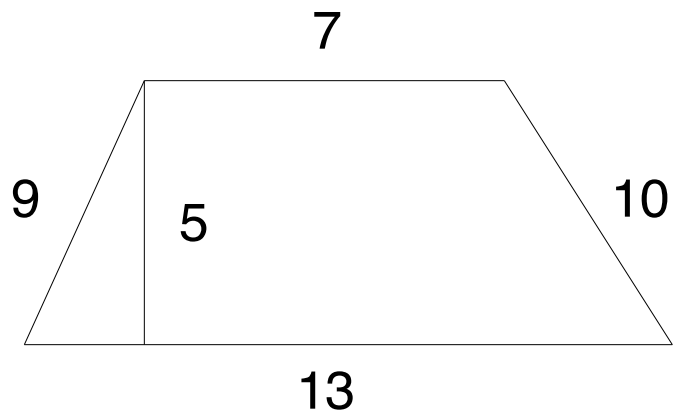
- If A then go to 3
- If B then go to 6
- If none of these then go to 7



Sahara Hideout 5

What is the area of the trapezoid?

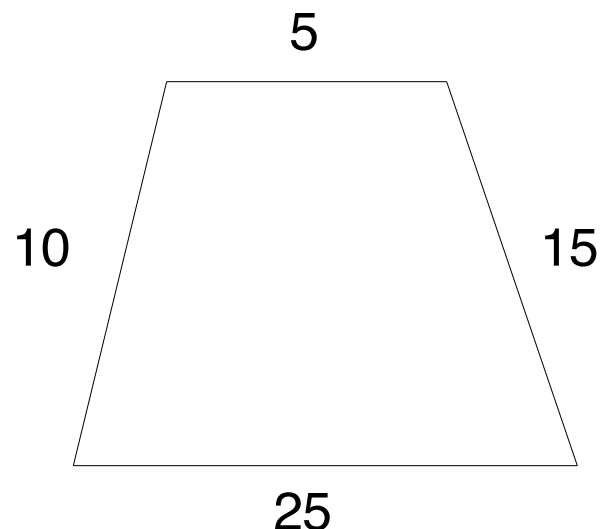
- | | |
|------------------|---------------|
| If 25 | then go to 3 |
| If 50 | then go to 9 |
| If 90 | then go to 1 |
| If 180 | then go to 10 |
| If none of these | then go to 6 |



Sahara Hideout 6

The area of this trapezoid is 75. What is the height?

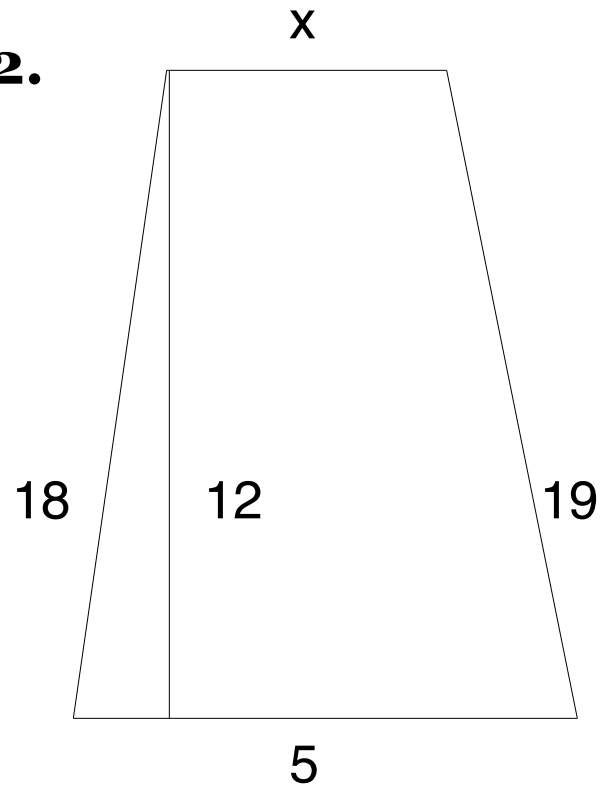
- | | |
|------------------|---------------|
| If 5 | then go to 8 |
| If 10 | then go to 1 |
| If 15 | then go to 9 |
| If 25 | then go to 10 |
| If none of these | then go to 4 |



Sahara Hideout 7

The area of this trapezoid is 42.
What is the missing base?

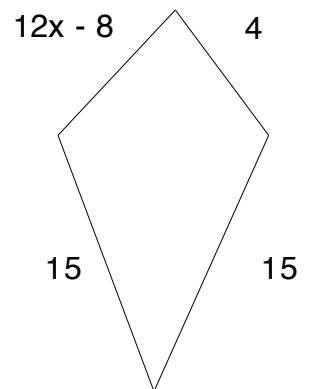
If 1 then go to 2
If 2 then go to 3
If 4 then go to 6
If 4 then go to 4
If none of these then go to 5



Sahara Hideout 8

Solve for x .

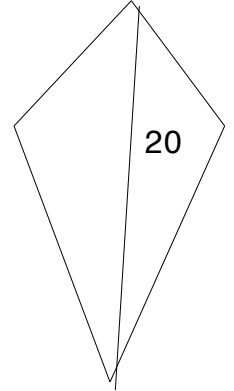
If $x = 1$ then go to 10
If $x = 2$ then go to 3
If $x = 3$ then go to 1
If $x = 4$ then go to 9
If none of these then go to 5



Sahara Hideout 9

The area of the kite is 40. What is the length of the second diagonal?

- If $D_2 = 1$ then go to 8
- If $D_2 = 2$ then go to 7
- If $D_2 = 3$ then go to 10
- If $D_2 = 4$ then go to 2
- If none of these then go to 4



Sahara Hideout 10

This is a kite. Solve for x .

- If $x = 40^\circ$ then go to 5
- If $x = 35^\circ$ then go to 4
- If $x = 30^\circ$ then go to 6
- If $x = 25^\circ$ then go to 7
- If none of these then go to 1

