

Option 10 Measuring tools

```
Choose (+h = help +i = items eg 3h):
1) Measure height
2) Measure depth
3) Measure length
4) Measure greatest depth
Back = 'q' or number + Enter:
```

Option 10.1 Measure Height

The help screen indicates the 3 conditions available for measuring height.

```
Place me on floor.
Measured Height:
|x|x|x|x| 7. Overhead obstruction
          7. NOT turtle.detect()

|x|x|x|x| 4. Specific block found
|x|x|x|x|
|x|x|x|x|
|x|x|x|x|
|x|x|x|x|
|x|x|x|x|
T|x|x|x|x| T = Turtle

Enter to continue
```

These appear on the next screen

```
Measure using?
1) Obstruction above
2) No further blocks ahead
3) Detect specific block ahead
Type number + Enter 3
```

Obstruction above:

```
Method: Until obstruction above
Height measured: 7 blocks

Thank you for using 'survival toolkit'
> _
```

No further blocks ahead:

```
Method: Until no block detected ahead
Height measured: 6 blocks

Thank you for using 'survival toolkit'
> _
```

Specific block found

```
Search for? eg 'ore', 'obsidian'
> ore_
```

```
Found minecraft:diamond_ore
Height measured: 4 blocks

Thank you for using 'survival toolkit'
>
```



Option 10.2 Measure depth

The help screen indicates the 3 conditions available for measuring depth.

```
Depth measurement
Place me on the floor above pit / edge

      T
1|×|×|
2|×|×|
3|×|×|
4|×|×|
5|×|5|      Measured depth:
6          5. Specific block found
7|×|×|×|×| 6. NOT turtle.detect()
              6. Obstruction below

Enter to continue _
```

These appear on the next screen

```
Measure using?
1) Water/Lava/Obstruction below
2) No further blocks ahead
3) Detect specific block ahead
Type number + Enter
```

Water / Lava / Obstruction below

```
Method: Until obstruction below
Depth measured: 9 blocks

Thank you for using 'survival toolkit'
> _
```

Add water source for testing



```
Method: Until obstruction below
minecraft:water found at 7

Thank you for using 'survival toolkit'
> _
```



No further blocks ahead:

```
Method: Until no block detected ahead  
Depth measured: 7 blocks  
  
Thank you for using 'survival toolkit'  
> _
```

Specific block found

```
Search for? eg 'ore', 'obsidian'  
> ore_
```

```
Found minecraft:diamond_ore  
Depth measured: 5 blocks  
  
Thank you for using 'survival toolkit'  
>
```

Option 10.3 Measure Length



```
Length measurement
1 2 3 4 5 6 7 8 9 10
x|x|x|x|x|x|5| |x|x| 8. No block up
T|x|x|x|x|x|x|5| |x|x| 7. Search block
x|x|x|x|x|x|5|x|x| |x|x| 9. Obstruction
                        5. Search block
                        8. No block down

T = Turtle

Enter to continue _
```

```
Measure using?
1) Obstruction ahead
2) No further blocks above
3) No further blocks below
4) Detect specific block above
5) Detect specific block below
Type number + Enter _
```

```
Method: Until obstruction ahead
Length measured: 12 blocks

Thank you for using 'survival toolkit'
>
```

```
Method: Until no block detected above
Length measured: 10 blocks

Thank you for using 'survival toolkit'
\
```

```
Method: Until no block detected below
Length measured: 11 blocks

Thank you for using 'survival toolkit'
> _
```

```
Method:Until search: 'ore' above met
Length measured: 6 blocks
Found minecraft:diamond_ore

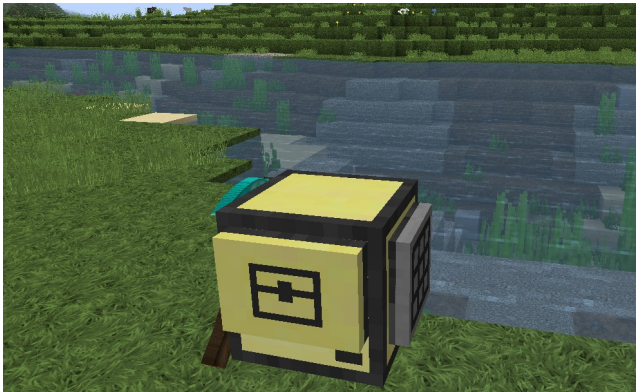
Thank you for using 'survival toolkit'
>
```

```
Method:Until search: 'ore' below met
Length measured: 4 blocks
Found minecraft:diamond_ore

Thank you for using 'survival toolkit'
>
```

Option 10.4 Measure Greatest depth

This function measures the greatest depth of a lake, river etc



```
Place Turtle at water edge.  
Returns max depth. Water plants removed  
  
T                                     T  
|x|x| | | | | | | | | | | | | | |
|x|x| | | | | | | | | | | | | |  
|x|x| | | | | | | | | | | | | |  
|x|x|x| | | | | | | | | | | | |  
|x|x|x| | | | | | | | | | | | |  
|x|x|x|x|d|x|x|x|x|x|x|x|x|x|x|x|  
|x|x|x|x|x|x|x|x|x|x|x|x|x|x|x|  
  
Enter to continue _
```

It removes the water plants as it goes to ensure accurate readings

If you know the width of the water select option 1
Player entered.

```
Measure using?  
1) Player entered  
2) No further water below  
Type number + Enter 2_
```

If width not known choose option 2 No further water
below.

This will cause the turtle to cross the water for measurement purposes first, then dive down and
go along the bottom of the water.

```
Greatest depth measured: 6  
Width of water: 27  
  
Thank you for using 'survival toolkit'  
> _
```