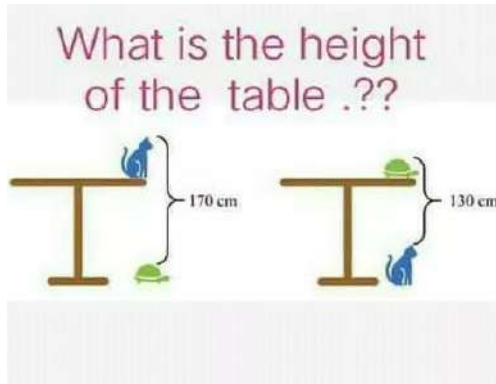


## Riddles

- What answer can you never answer yes to?  
Are you asleep yet?
- What has hands but doesn't clap?  
A clock
- How many months have 28 days?  
All 12 of them do
- The more you take the more you leave behind. What are they?  
Footsteps
- Everyone has it and no one can lose it; what is it?  
A shadow
- What begins with an E but only has one letter in it?  
An envelope
- What's really easy to get into, and hard to get out of?  
Trouble
- What can you hear, but not see or touch, even though you control it?  
Your voice

## Maths Puzzles

1. **Find a number with its letters in alphabetical order.**  
Sol: Forty  
It is the only number we know of in English with its letters in alphabetical order. And that is the correct spelling.
2. **What is the height of the table?**



Sol: 150CM

let's assume height of the table is T and cat is C and R of tortoise.

let's write down the equations

$$T + C - R = 170\text{cm}$$

$$T + R - C = 130\text{cm}$$

add both the equations

$$2T + C - R + R - C = 170 + 130\text{ cm}$$

$$2T = 300\text{cm}$$

$$T = 150\text{cm}$$

3. What number should replace the question mark? 24, 30, ?, 60, 84, 114

Sol: 42

The sequence progresses +6, +12, +18, +24, +30

4. Write numbers from 1 to 100.... how many 9s do you see?

Sol: one 9 in every 10s (like 9, 19, 29, etc) => 10

extra 10 9s in 90 – 99 => 10

thus total **20s**

5. Find the value of Q

4	Q	1
3	8	Q
8	0	3

Solution:

In column one (starting from right), from Q + 1 we get 3 at the units place.

$$\Rightarrow Q + 1 = 3$$

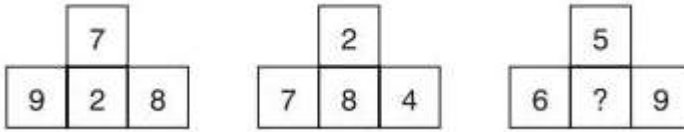
$$\Rightarrow Q = 2$$

In the middle column,

Q + 8 gives a number such that it has 0 at its units place. So Q = 2. This is verified by the fact that when Q (2) is added to 8 it results in 10 and hence 1 is carried forward. In the third column 4 + 3

$$+ 1(\text{carry}) = 8.$$

6. What number should replace the question mark?



Solution: 4

$6 \times 9 = 54$  (reading down the middle two blocks).

7. What will be the value of (Wall Clock)  $\times$  (Football)  $-$  Table Fan in the below image ?

$$\text{Football} + \text{Football} + \text{Football} = 18$$

$$\text{Wall Clock} + \text{Wall Clock} + \text{Wall Clock} = 9$$

$$\text{Table Fan} \times \text{Table Fan} - \text{Table Fan} = 6$$

$$\text{Wall Clock} \times \text{Football} - \text{Table Fan} = ??$$

Sol: 4

In the first equation black marks on Football are 6, therefore Football value is : 6

In the Second equation clock shows 3pm.. so clock value is 3

In the third equation, table fan has 3 blades, thus having a value of 3, OR you can say a table fan with 3 blades has value 3, thus with 2 blades should have a value 2.

In last equation clock is 2 and Football marks are 3, and table fan has 2 blades  
thus  $2 \times 3 - 2 = 4$

**Wuzzles**

WHERE WHERE WHERE WHERE WHERE WHERE <b>RAINBOW</b>	<b>SXOT</b>	<b>2TO</b>
<b>JUST</b>	<b>I E</b> <b>C</b> except	CCCCCCCCC

1. Where , Rainbow

2. SROT

3. 2TO

4. JUST

5. I E C except

6. CCCCC

Solution:

1. Somewhere Over the Rainbow

2. X Marks the Spot

3. Put two and two Together

4. Just Right

5. I Before E Except After C

6. High Seas