



LOGICAL PUZZLES

WORKSHEET - DAY 5

Objective: Grades 2nd-4th To solve all the questions in 40 minutes.
Grades 5th-8th To solve all the questions in 20 minutes.

Question 1: The Tap Problem

The cold faucet in my bath lets the water in at the rate of 15 litres per minute.

The hot faucet fills the bath at the rate of 10 litres per minute.

The plug hole lets the water out of the bath at the rate of 12 litres per minute.



The bath holds a maximum of 520 litres.

I turn both faucets on, but forget to put the plug in. How many minutes does it take for the bath to overflow?



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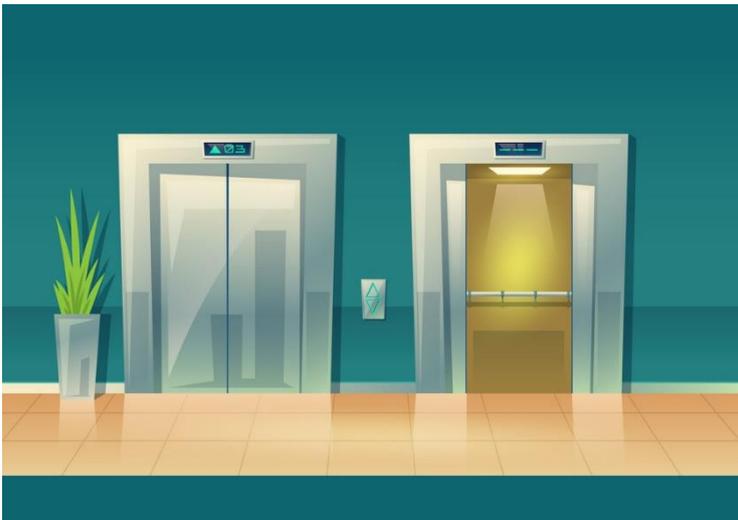
Question 2: The Lift Puzzle

A man works on the 10th floor and always takes the elevator down to ground level at the end of the day.

Yet every morning, he only takes the elevator to the 7th floor and then walks up the stairs to the 10th floor, even when in a hurry.

But he will go all the way to the 10th floor when others are in the elevator with him or on a rainy day.

Why?



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Question 3. Picture Puzzle

Find Six hidden words in this picture:



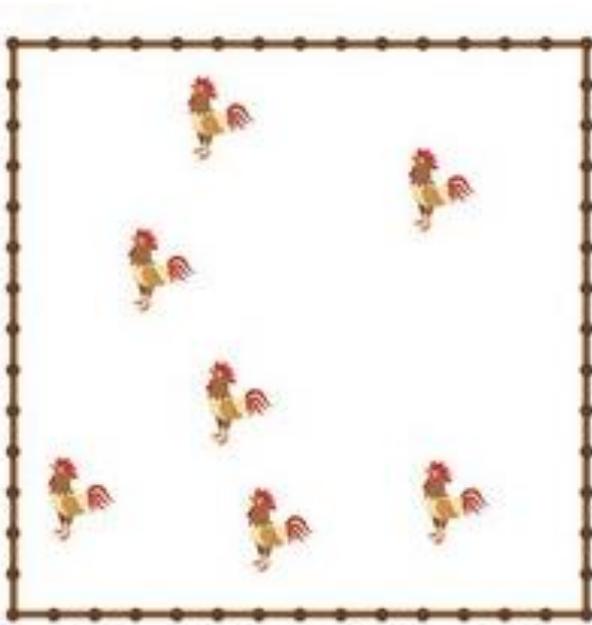


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Question 4. Separate the Hens

Using just **three** straight lines, can you put each hen in a separate area of their own. You may have to try drawing the lines in different ways. But, remember, the lines have to be straight, they must not bend and you can use just three lines.



Helpful Hint: The lines will cross each other!

Question 5. What's the good word?

Solve each of the four clues to get 4 words. Take the first letter of each word and unscramble them to form a new word.

Clue 1: This word is a fruit and also a colour.

Clue 2: This food gives you lots of protein.

Clue 3: This is a common pet at many homes.

Clue 4: This virus is troubling the whole world.

Now that you have cracked the four words, unscramble them to form a word that makes computers work!!