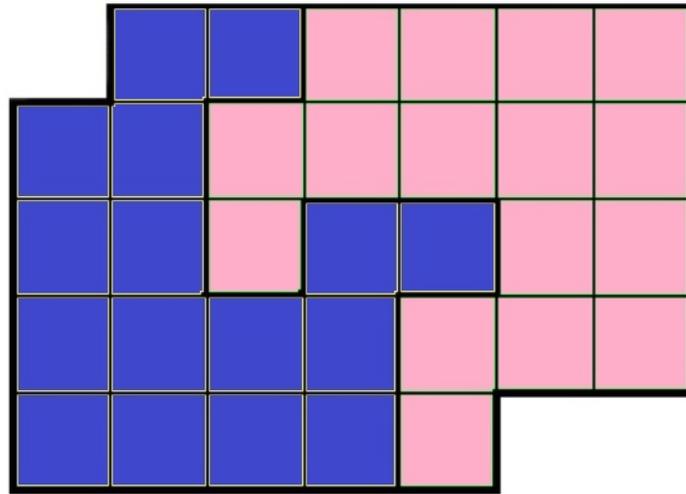


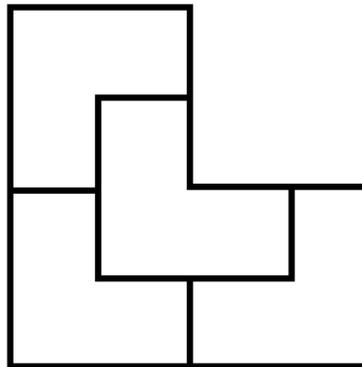
Brain teaser Answers

Square Puzzles

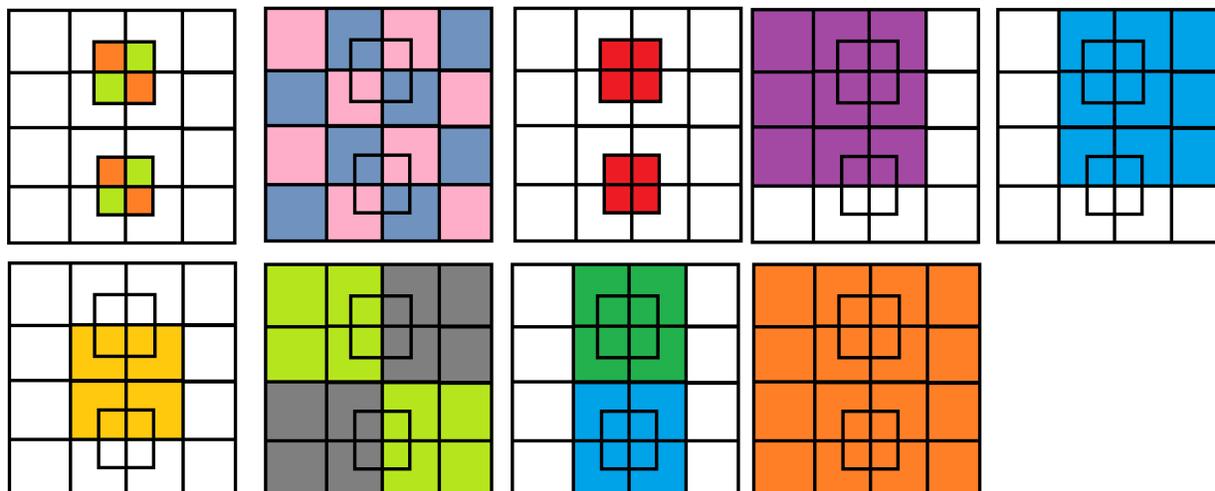
Slice this picture into two identical, symmetrical parts.



Slice this picture into four identical parts.



How many squares are in this diagram?



Tiny squares: 8
 Single squares: 18
 2 x 2 squares: 9
 3 x 3 squares: 4
 4 x 4 squares: 1
Total: 40

Number Puzzles

Bowls, I'm Baffled!

You have a 10-liter bowl, a 6-liter bowl, and unlimited access to water. How do you measure exactly 8 liters?

Answer: Fill the 10-liter bowl. Pour water from that bowl to fill the 6-liter bowl; then empty the smaller bowl. From the 10-liter bowl, pour the 4 remaining liters into the empty 6-liter bowl. Refill the 10-liter bowl. Pour water from the 10-liter bowl to fill the 6-liter bowl (2 liters). The required 8 liters of water remain in the 10-liter bowl.

Marvelous Marbles

You have nine marbles that are similar in size. Eight of them weigh the same, but the ninth one is a bit heavier. If you could use a two-pan balance scale *only twice*, how would you identify the heavy marble?

Answer: Divide the nine marbles into three groups of three. Weigh two groups. That way, you find out can tell which group includes the heavier marble. Choose two marbles from that group and compare the marbles' weights. That's it!

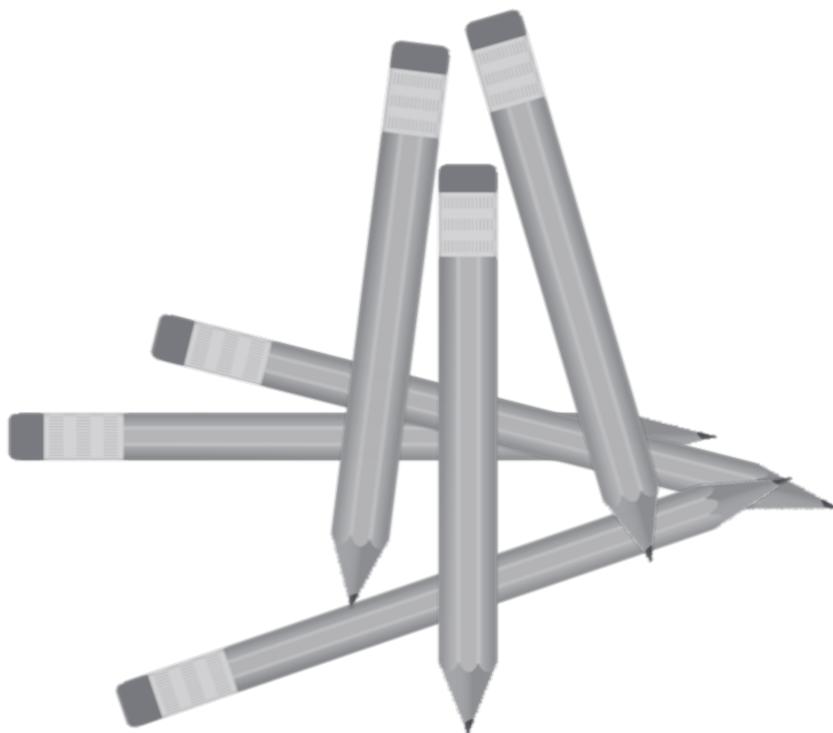
Clear Dots, Black Dots, No Dots!

Can you figure out which image completes the following sequence? Extra points if you can explain why!

Answer: F. Fill in the blank dots, remove the colored dots, and add blank dots where there were none.

(Dis)Organize These Pencils

You have six pencils. Can you arrange them in such a way that each pencil is touching all five of the others? Grab a piece of paper and draw your response.



Riddles With Solutions

What gets wetter the more it dries? **A towel.**

What can you catch but not throw? **A cold.**

No sooner spoken than broken. What is it? **A secret or silence.**

What goes up and down the stairs without moving? **A rug.**

I am weightless, but you can see me. Put me in a bucket, and I'll make it lighter.

What am I? **A hole.**

I'm where yesterday follows today, and tomorrow's in between. What am I? **A dictionary.**

I fly, but I have no wings. I cry, but I have no eyes. Darkness follows me. What am I? **A cloud.**