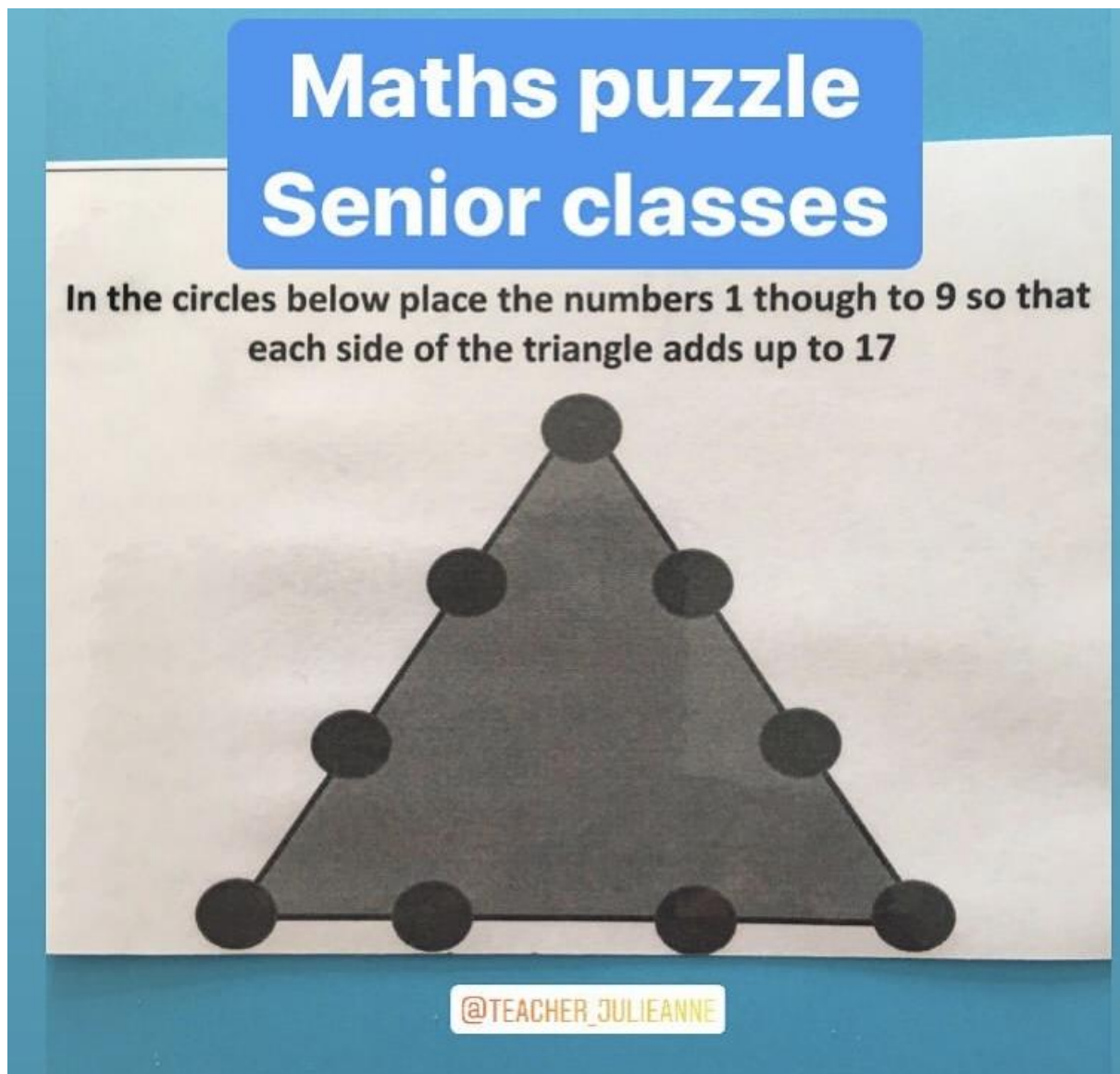


1. Magic triangle



Place the numbers 1 through to 9 so that each side of the triangle adds up to 17

Answer:

1
5 7
9 6
2 4 8 3

2. Lines of symmetry puzzle

Maths: shape & space
Middle & senior classes

A B C D E
F G H I J K
L M N O P
Q R S T U
V W X Y Z

Some letters of the alphabet are symmetrical. Look for horizontal & vertical lines of symmetry.

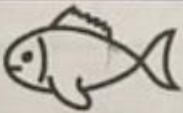



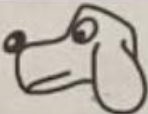
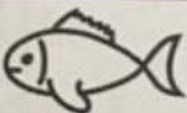
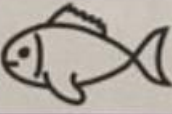



3. Picture sudoku

Maths

Picture sudoku

You need one of each image in every row and column!

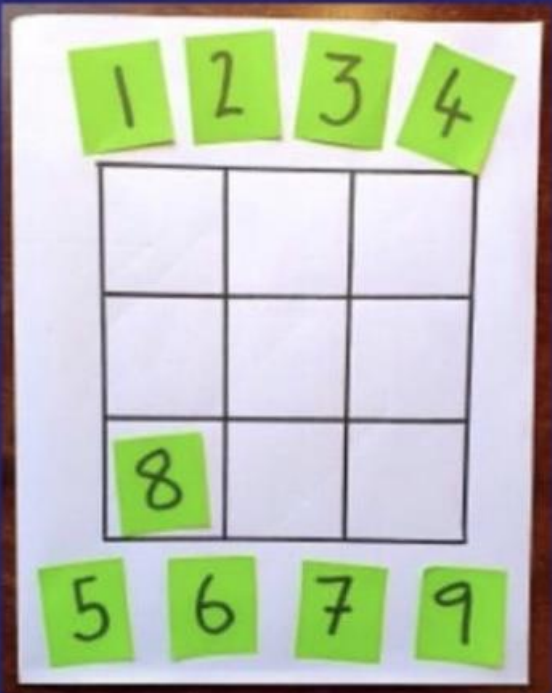
Answers added in bold black ink

Fish	Cat	Dog	Pig
Dog	Pig	Fish	Cat
Pig	Dog	Cat	fish
Cat	fish	pig	Dog

4. Maths: Magic squares

Maths: Magic Squares

Place the first 9 counting numbers into a 3x3 grid so that each row, column and diagonal add up to the same total.



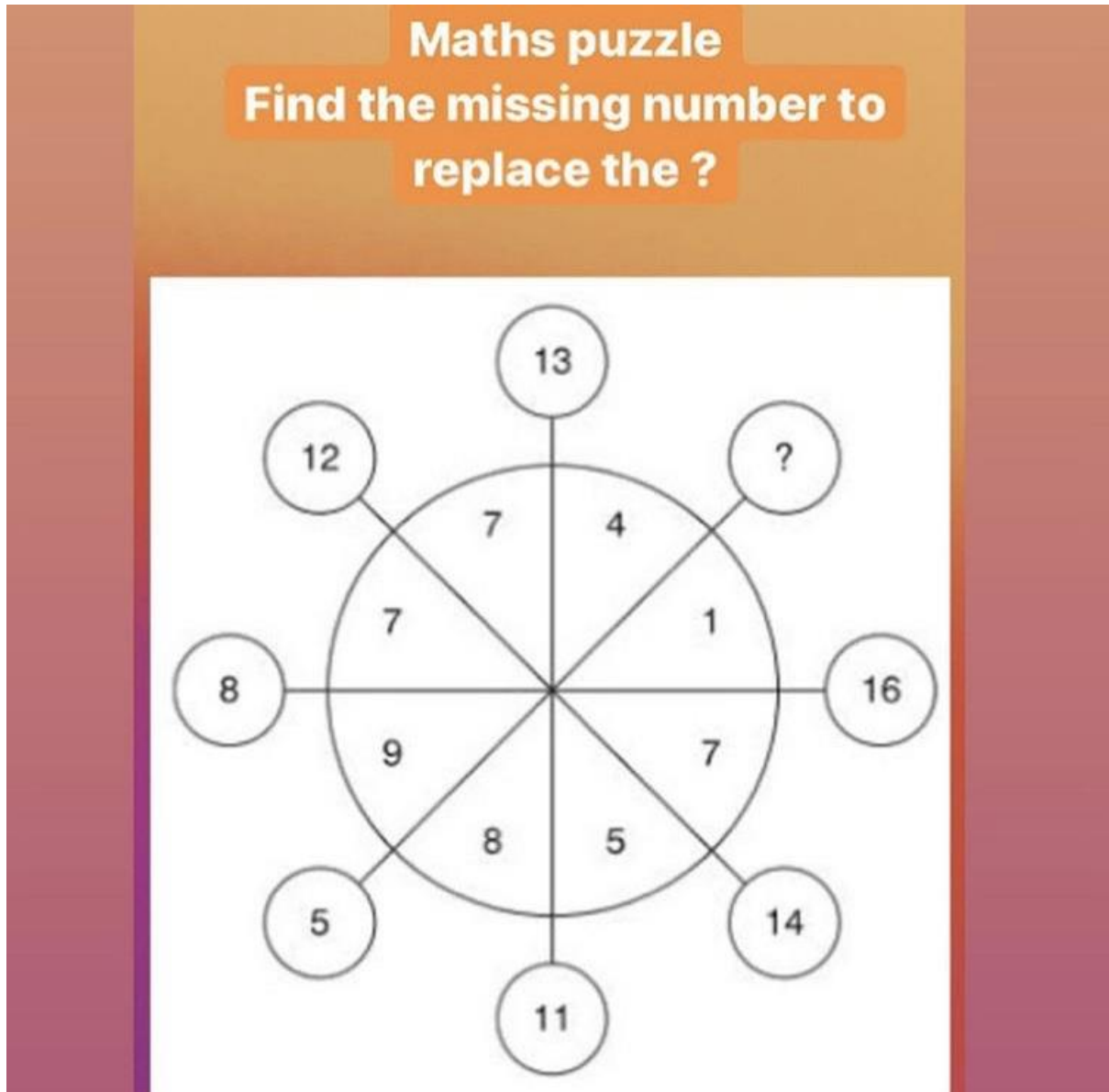
The image shows a 3x3 grid with numbers placed around it. The numbers 1, 2, 3, 4 are above the grid, 5, 6, 7, 9 are below, and 8 is in the bottom-left cell. The grid is empty except for the number 8 in the bottom-left cell.

Place the first 9 counting numbers into a 3x3 grid so that each row, column and diagonal add up to the same total.

8	1	6
3	5	7
4	9	2

5. Maths puzzle:

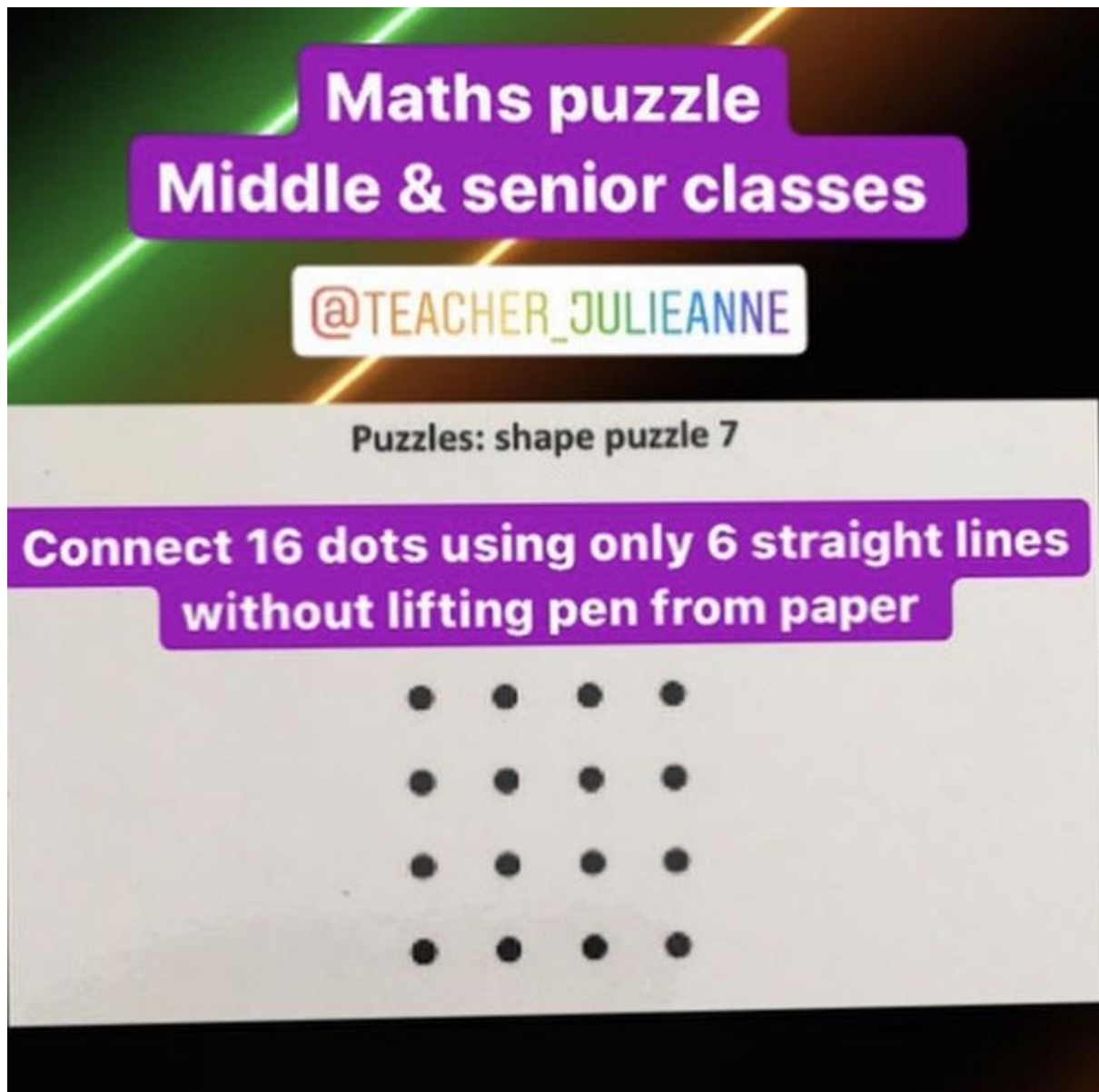
Find the missing number to replace the ?



Answer:

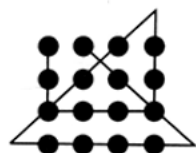
17 (is the sum of the two numbers $9 + 8$ which are opposite the ? on the other side of the circle. The two numbers between any line are the sum of the circle at the opposite side of the same line.

6.

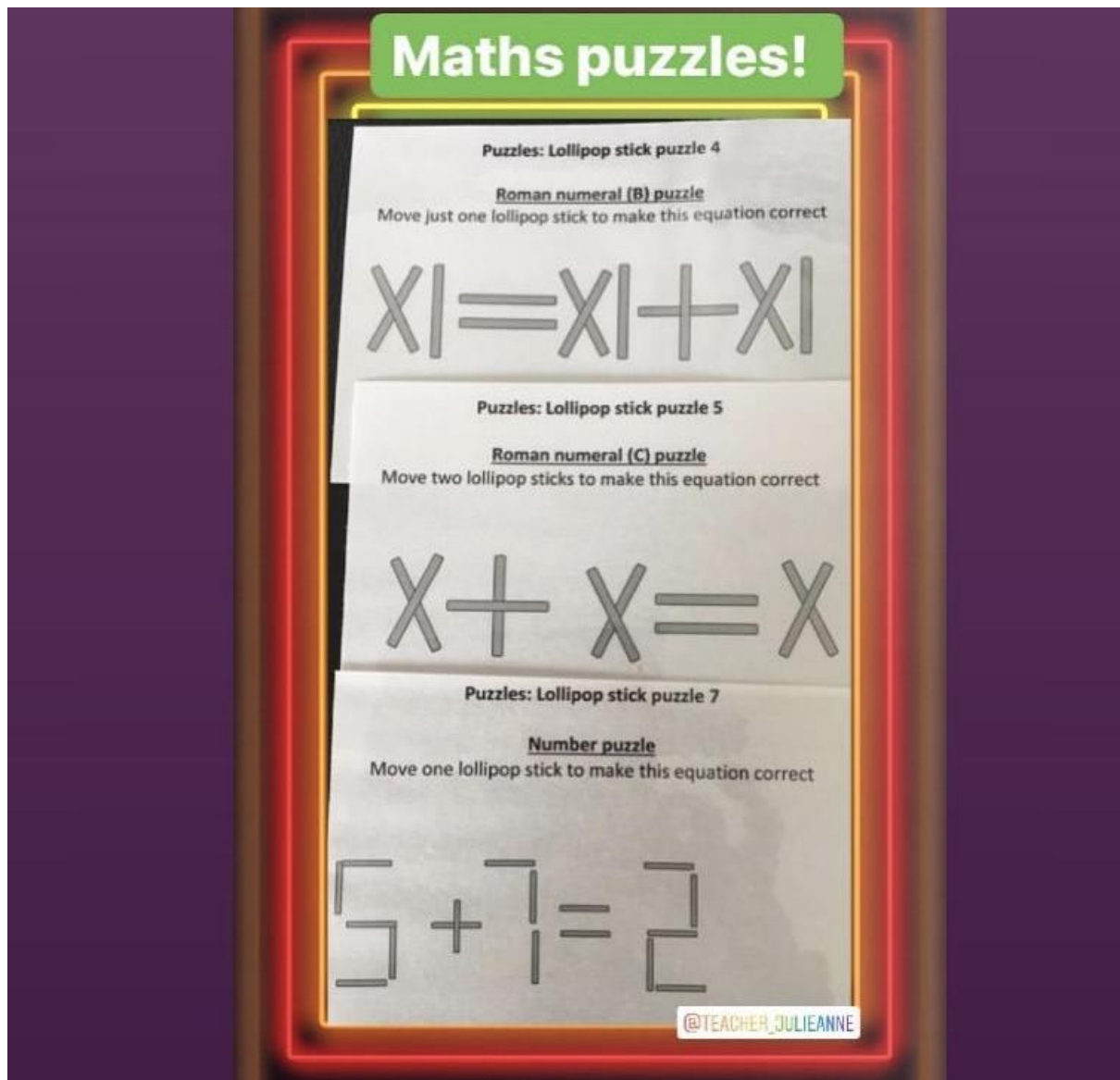


Puzzles: shape puzzle 7 solution

Note: Other solutions are available



7. Lollipop puzzles



Puzzles: Lollipop stick puzzle 4

Roman numeral (B) puzzle solution

Move just one lollipop stick to make this equation correct

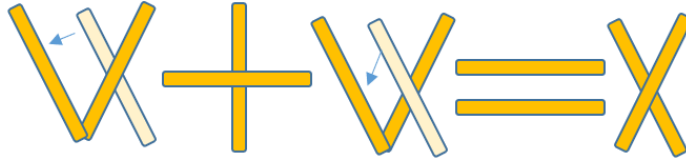
$$XI = XI + XI$$

$$(11=11=11)$$

Puzzles: Lollipop stick puzzle 5

Roman numeral (C) puzzle solution

Move two lollipop sticks to make this equation correct



It read $10 + 10 = 10$

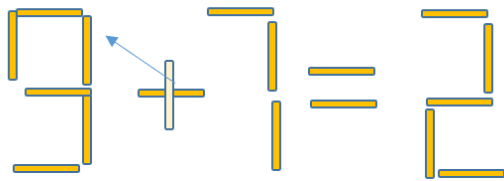
Now it reads...

$5 + 5 = 10$

Puzzles: Lollipop stick puzzle 7

Number puzzle solution

Move one lollipop stick to make this equation correct



8. Golf balls

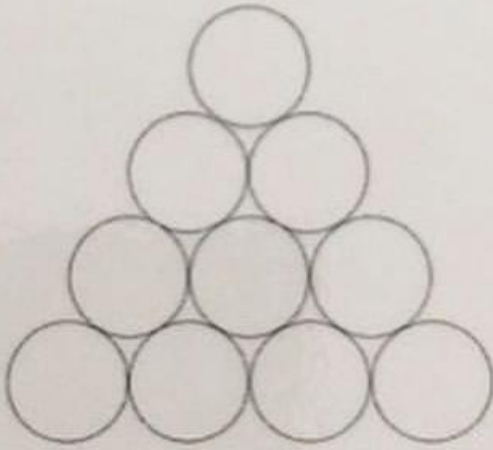
Maths puzzle

Middle & senior classes

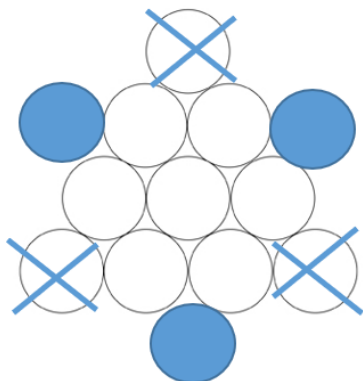
@TEACHER_JULIEANNE

1/3

Arrange three golf balls so that the triangular pattern below
faces down instead of up



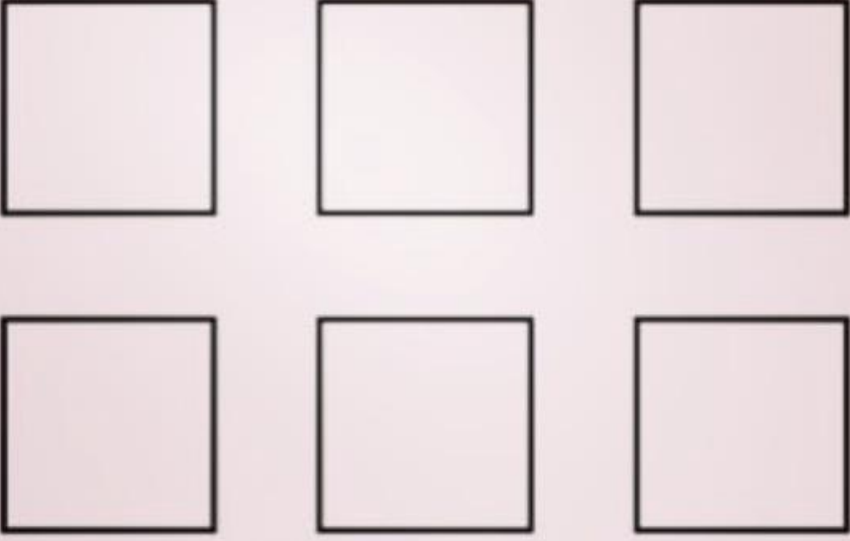
Puzzles: shape puzzle 10 solution



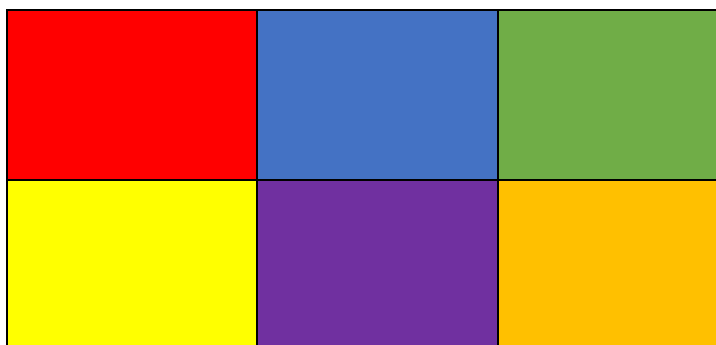
9. Maths: Shape and space. Use the clues to colour each shape

Maths: shape & space
Middle & senior
classes

Use these clues to colour each shape:

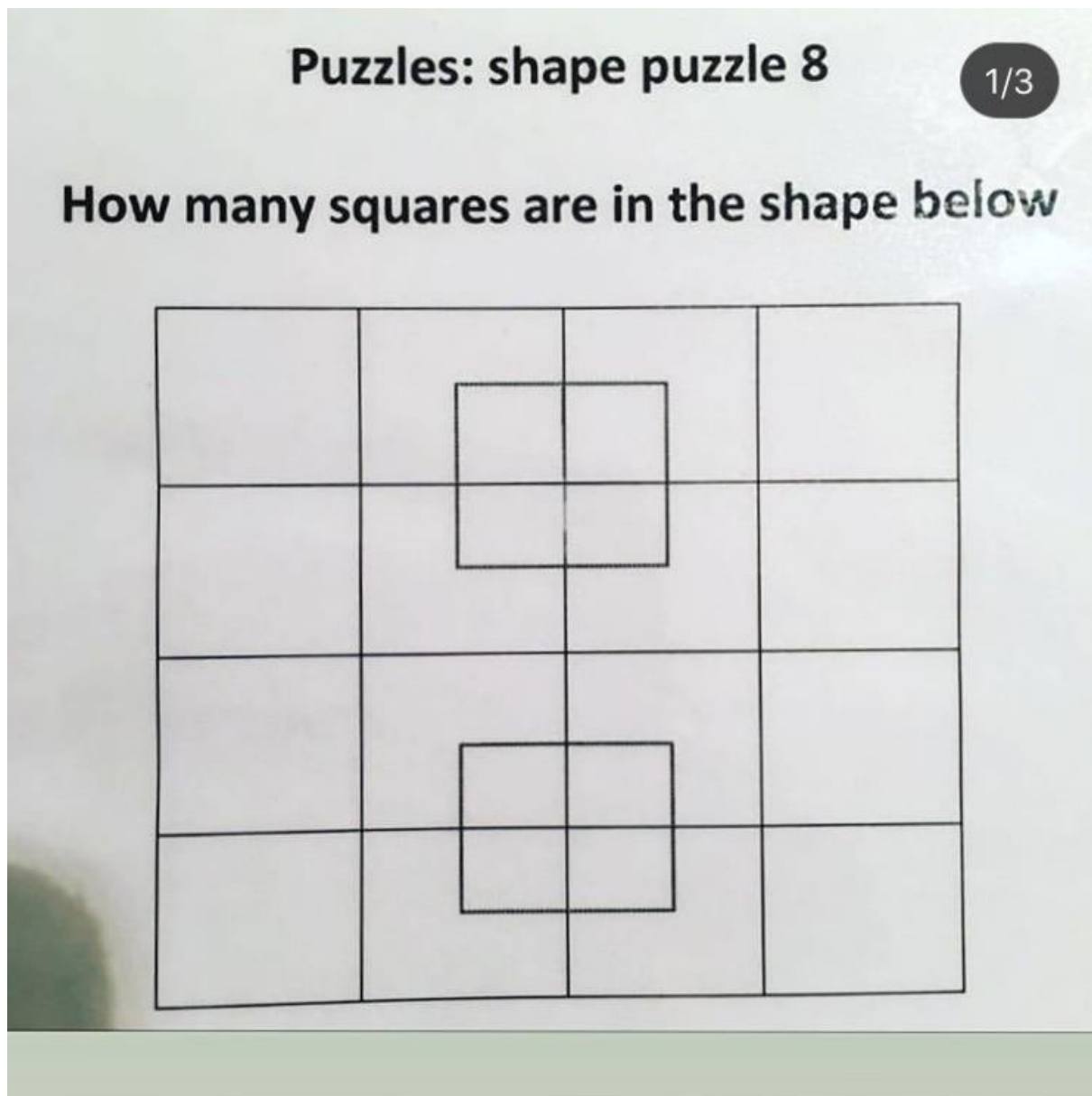


- Blue is between green and red
- Orange is below green
- Yellow is to the left of both purple and orange



10. Puzzles: shape puzzle 8 solution

How many squares are in the shape below?



1x1	18
2x2	9
3x3	4
4x4	1
Mini central squares	8