Lesson 26

Homework

1 **In your notebook,** solve the equations and check the answer. Copy your answers here.

$35 : \mathbf{x} + 25 = 32$ $\quad\quad$ $\mathbf{x} \bullet 10 + 17 = 170$ $\quad\quad$ $\mathbf{x} \bullet 6 - 2 = 58$

$\mathbf{x}$ = _____ $\quad\quad$ $\mathbf{x}$ = _____ $\quad\quad$ $\mathbf{x}$ = _____

2 **Open up** the parentheses:

$78 - (56 - a) + c =$ $\quad\quad$ $a + (b - f) - (k + m) =$

$(a + b - c) + (s + n) =$ $\quad\quad$ $(z - p) + (k + h) =$

$(k - 95) + (d + 1) =$ $\quad\quad$ $(3 + e - j) - (f - 55 + d) =$

3 Solve the problems.

There are 9 apples in two buckets. Out of them ***b*** are in the first bucket. How many apples are in the second?

_____

There are ***a*** apples in two buckets. Out of them 4 are in the first bucket. How many apples are in the second?

_____

There are ***a*** apples in two buckets. Out of them ***b*** are in the first bucket. How many apples are in the second?

_____

4 Anna, Fiona, Mike, and Dan were participating in a hot-dog eating contest. The winner is a person who eats the most hot dogs. Dan ate more hot dogs than Fiona, and Mike ate fewer hot dogs than Anna. It is known that Dan did not win the contest. Can we tell who won?

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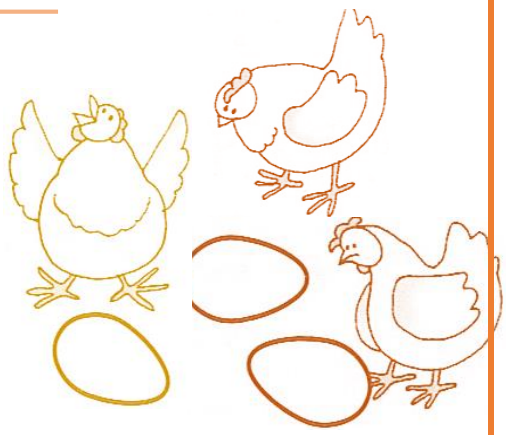
5 An expedition aims to reach the North Pole from a scientific station **in 6 days.** The expedition has 3 identical vehicles whose gas tank has enough fuel for 1 day of travel. Additionally, each vehicle can carry up to 3 canisters of fuel, each sufficient for 1 day of travel. The members of the expedition decided to start with 3 vehicles, reach the Pole with only one vehicle, and return all 3 vehicles to the station at the end. Explain how this is possible.

6 If it takes 5 minutes for 5 hens to lay 5 eggs, how much time will it take 100 hens to lay 100 eggs?



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7 Which numbers are missing in each raw?

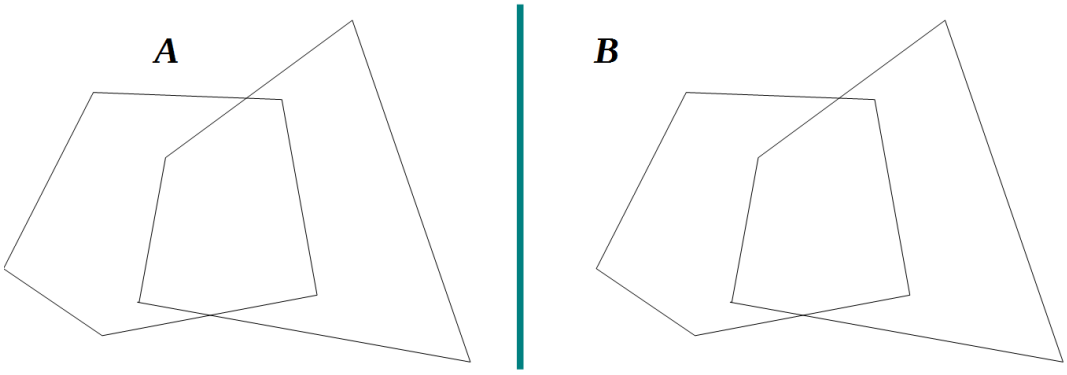
9 / 8 10	8 / 7 9	4 / 3 5	5 / 4
1 / 4 7	2 / 5 8	3 / 6	6 / 9
1 / 2 3	3 / 4 7	4 / 5 9	5 / 6

8

Color the pentagon if:

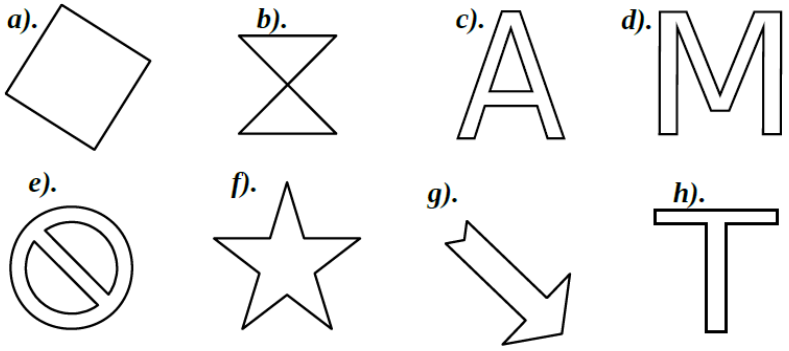
a) … the pentagon is on top of the quadrilateral;

b) … the pentagon is under the quadrilateral.



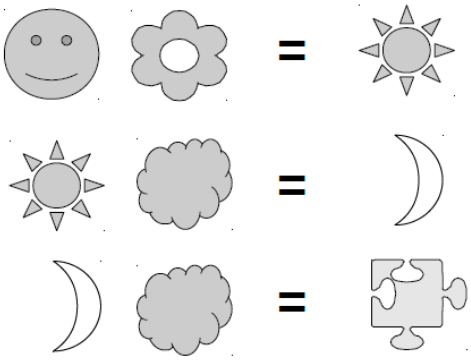
9

Find the lines of symmetry.

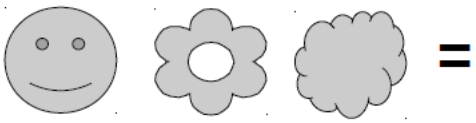


10

If you know that



then

1. 

2.