Math 3. Homework 6

1. **Write** a correct expression and solve each problem:

a) One gift basket contains 5 pieces of fruit. How many pieces of fruit would be in 4 baskets?

_____

b) There are 6 pencils per box. How many pencils would be in 5 boxes?

_____

c) One pumpkin weighs as much as 2 watermelons. How many watermelons would balance 6 pumpkins?

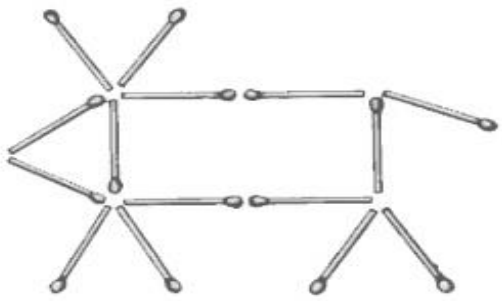
_____

2. During one month, exactly half of the 180 babies born in a hospital were boys, and 40 of the babies weighed 4 kg or more. There were 26 baby boys who weighed 4 kg or more.

	Less than 4 kg	*4 kg or more*
Boys		
Girls		

a) Complete the table above.
b) How many baby girls weighed less than 4 kg when they were born?

3. Move 2 matches to make the cow look the other way.



4.

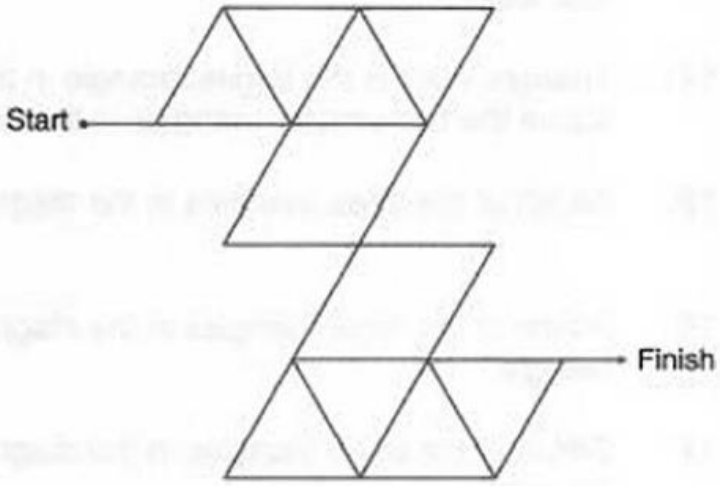
If this year next day after my birthday I say: “the day after tomorrow is Wednesday”, then my statement will be correct.

Therefore my birthday is on

A. Thursday B. Monday C. Tuesday D. Wednesday E. Sunday

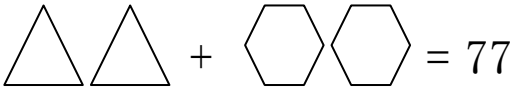
5.

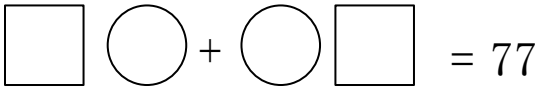
Complete each angle maze below by tracing a path from start to finish
Use only obtuse angles now

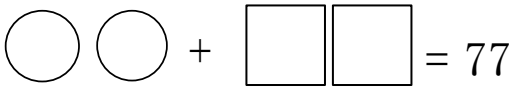


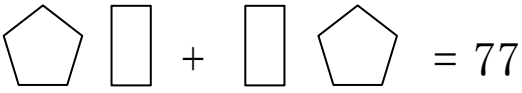
6.

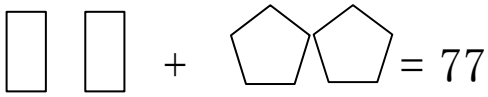
Replace shapes with numbers to get a correct equality in each case.











1. 34 +43 = 77

2. _____

3. _____

4. _____

5. _____

6. _____

7. Victoria and Julia labeled point A on a number line and wrote 3 consecutive numbers each. Victoria wrote: A + 1, A + 2, and A + 4. Julia wrote A – 1, A, and A + 1. Which one of them is right?

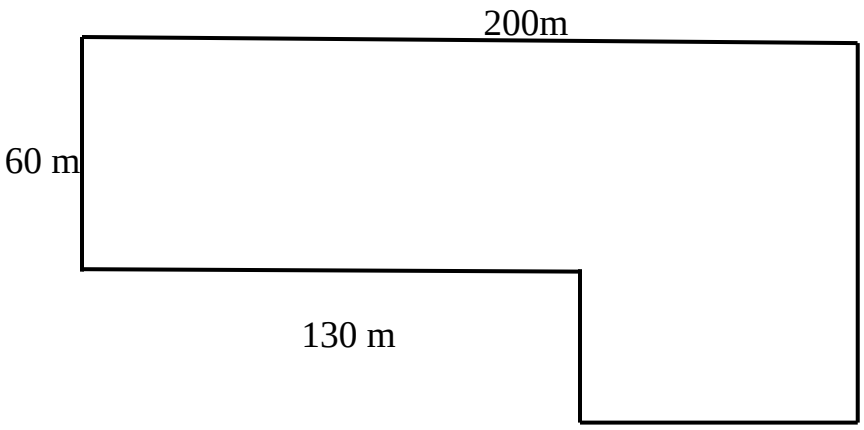
8. a) A rectangular swimming pool is 10 meters wide and 15 meters long. What is its perimeter?

P = _____

b) Brook has a rectangular garden of length 12 meters and width 6 meters
She wants to fence the garden with a rope. How much rope will be required?

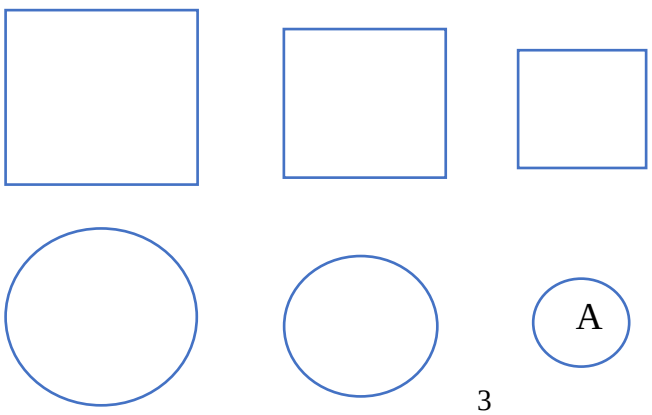
P = _____

c) John goes for a morning walk every day. He walks along a path (see picture below) which has a total length of 600 meters. Find the length of the missing sides.

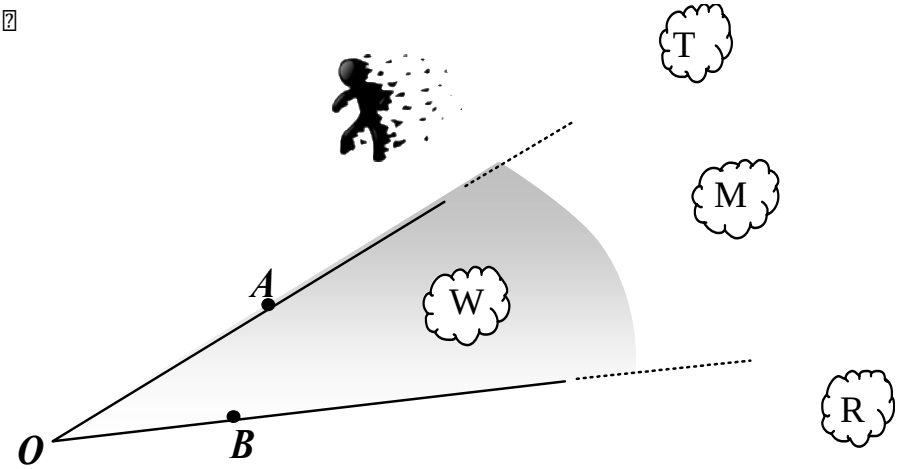


9. There are 3 squares – big, medium and small and 3 circles – big, medium and small. Circle **A** is a small circle.

Find all shapes which are different from shape A by only one property (shape or size).



10 Use a ruler to draw a ray starting from a point O – the vertex of angle AOB. A ray should go through clouds W and M.



Challenge yourself

11. A pharmacy has an old balance scale, which has only two measuring weights: 30 grams and 5 grams. A pharmacist has to divide 300 grams of powder medicine into 3 small bags – 150 gram in the 1st bag, 100 grams in the 2nd bag and 50 grams in the 3rd bag. How can he do it if he can only weigh 3 times?

_____

_____