Math 2 Homework 17 part 1

1

Insert the parenthesis to make each equality correct.

a) $6 + 2 \times 5 = 40$
b) $3 \times 4 + 2 = 18$
c) $3 + 4 \times 2 + 4 = 42$
d) $4 + 3 + 2 \times 2 = 18$

2

Write an equation for each question. Find the numbers. Check your answers.

a) What number should be increased by 128 to get 800?

b) What number should be decreased by 128 to get 800?

c) By how much the number 928 should be decreased to get 800?

By how much the number 672 should be increased to get 800?

3

Calculate:

$548 + 548 \times 0 =$	$491 \times 0 + 491 =$	$864 - 0 =$
$346 \times 1 - 346 \times 0 =$	$0 + 0 =$	$0 - 0 =$
$2 \times 0 - 2 \times 0 =$	$2 \times 0 + 2 \times 0 =$	$0 \times 39 =$
$20 \times 1 - 0 =$	$15 \times 3 + 15 \times 0 =$	$200 \times 1 - 1 \times 10 =$

4

Open parentheses and try to simplify (find like terms and see if some of them can be canceled).
HINT: if you do everything correctly, the answer will be just one letter!

$(a + b + c) - (c - d - e - f - g) - (a + b) - (e + d + f + g) + a =$

Report the time you spent: _____ minutes

5

Explain step by step how you cross the road (create a **branching algorithm**). Be prepared to explain your algorithm to the class:

a) Roads with a signalized crossing (signs “Walk” and “Don’t walk”)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Add steps if needed: _____

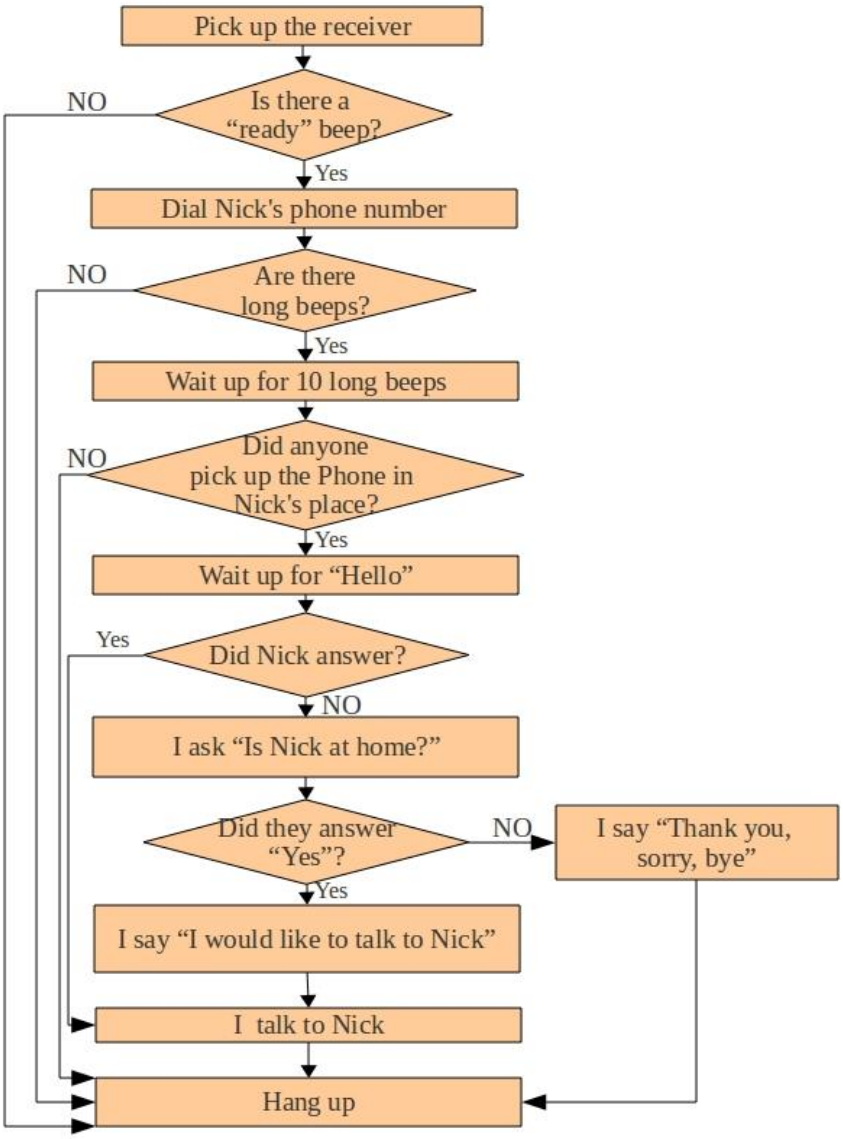
b) Roads with marked crossing but without signals

1.
2.
3.
4.
5.
6.

Add steps if needed: _____

6

Alex wants to call Nick on the phone. He wrote an algorithm with the sequence of operation he must follow in order to make a call. Look at the sequence of operations in his algorithm and check whether it is correct or not.



7

Solve the problems:

a) There are four cartons of eggs, and each carton has 6 eggs. Two eggs are gone bad. How many fresh eggs are there in four boxes?

___× ___ – ___ = ___

b) The family ordered 5 fruit baskets. Each basket contains 4 apples. They also had two apples in the fridge. How many apples do they have after receiving the baskets?

___ × ___ + ___ = ___

8

Solve each equation, check your answers.

348 – x = 265 x + 738 = 856 x – 524 = 97

9

Learning multiplication table by 3, 4 and 9. Your life will be a lot easier when you can simply **remember** the multiplication tables. So ... **train your memory**!

First, read it aloud - sing or chant the table. This is the auditory learning - not only have you spoken the table, but you have also heard it.

Second, repeat, repeat and repeat some more - repetition is the key to learning tables (or other facts). The more you say the table aloud, the more you will learn it like you learn word to a song.

And … **practice!**

2 × 4 =	4 × 3 =
3 × 9 =	4 × 4 =
3 × 8 =	5 × 4 =
2 × 9 =	5 × 9 =
4 × 2 =	7 × 3 =
3 × 6 =	4 × 7 =
9 × 2 =	9 × 3 =
3 × 7 =	4 × 8 =
5 × 4 =	9 × 5 =
5 × 9 =	4 × 7 =
6 × 9 =	7 × 5 =
5 × 9 =	5 × 8 =
3 × 6 =	9 × 9 =

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81