



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!*

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

\_\_\_\_\_

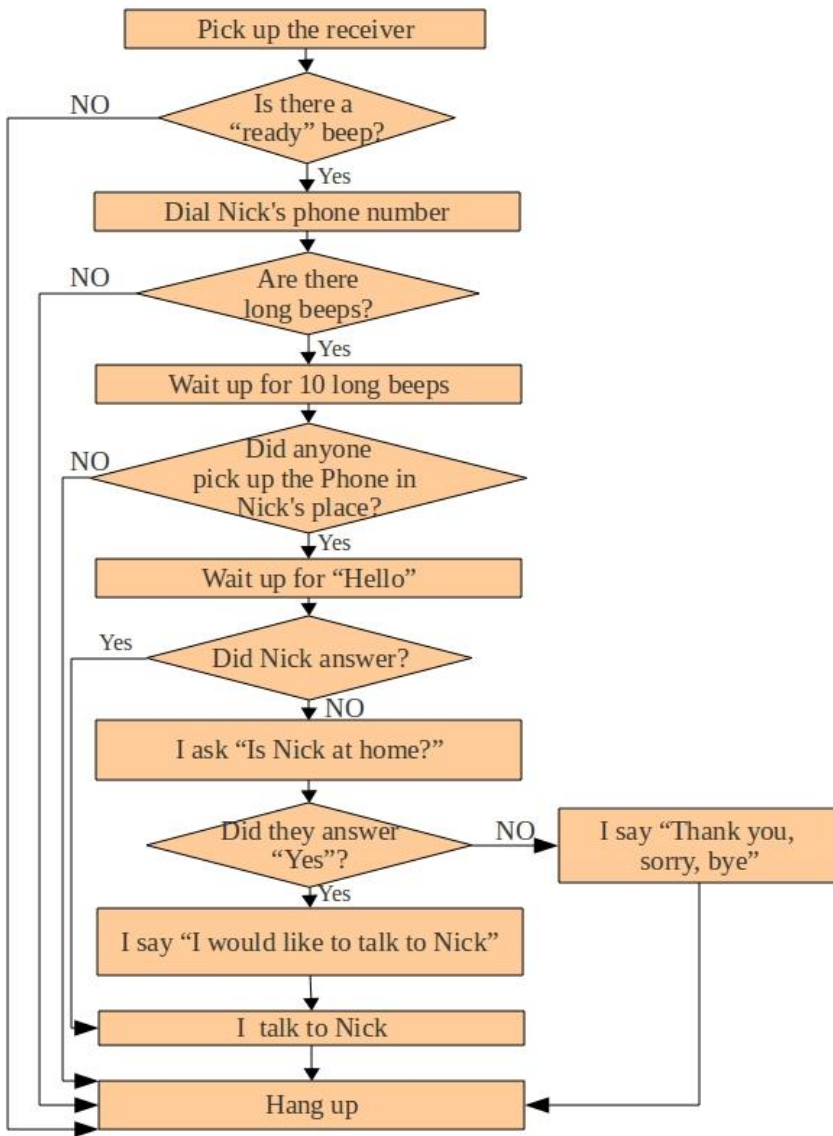


**Report the time you spent: \_\_\_\_\_ minutes**



7

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.



8

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?

$$\underline{\quad} \times \underline{\quad} - \underline{\quad} = \underline{\quad}$$

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?

$$\underline{\quad} \times \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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!**

- $2 \times 4 =$                        $4 \times 3 =$
- $3 \times 9 =$                        $4 \times 4 =$
- $3 \times 8 =$                        $5 \times 4 =$
- $2 \times 9 =$                        $5 \times 9 =$
- $4 \times 2 =$                        $7 \times 3 =$
- $3 \times 6 =$                        $4 \times 7 =$
- $9 \times 2 =$                        $9 \times 3 =$
- $3 \times 7 =$                        $4 \times 8 =$
- $5 \times 4 =$                        $9 \times 5 =$
- $5 \times 9 =$                        $4 \times 7 =$
- $6 \times 9 =$                        $7 \times 5 =$
- $5 \times 9 =$                        $5 \times 8 =$
- $3 \times 6 =$                        $9 \times 9 =$

×	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

Insert the numbers to make the equations correct. Choose the numbers which are not the same as already used:

- $3 \times 6 = \underline{\quad} \times \underline{\quad}$                                                $\underline{\quad} \times \underline{\quad} = 9 \times 4$
- $6 \times 2 = \underline{\quad} \times \underline{\quad}$                                                $\underline{\quad} \times \underline{\quad} = 3 \times 8$
- $4 \times 5 = \underline{\quad} \times \underline{\quad}$                                                $\underline{\quad} \times \underline{\quad} = 5 \times 9$

10

Write down numerical expressions, using operation signs and parentheses, and calculate the value or simplify expressions where possible:

- a) Subtract 805 from the difference of 120 and 15 \_\_\_\_\_
- b) To the sum of 35 and 15 add number 505 \_\_\_\_\_
- c) To the difference of 250 and 100 add a sum of 46 and 24 \_\_\_\_\_
- d) From the difference of 234 and *a* subtract a number 34 \_\_\_\_\_

11

b) Compare:

- 25dm \_\_\_\_\_ 250cm                                              1m 15cm \_\_\_\_\_ 11dm 5cm                                              3m \_\_\_\_\_ 40dm
- 7dm 8cm \_\_\_\_\_ 78 cm                                              68dm \_\_\_\_\_ 6m 80 cm                                              609cm \_\_\_\_\_ 69dm

12

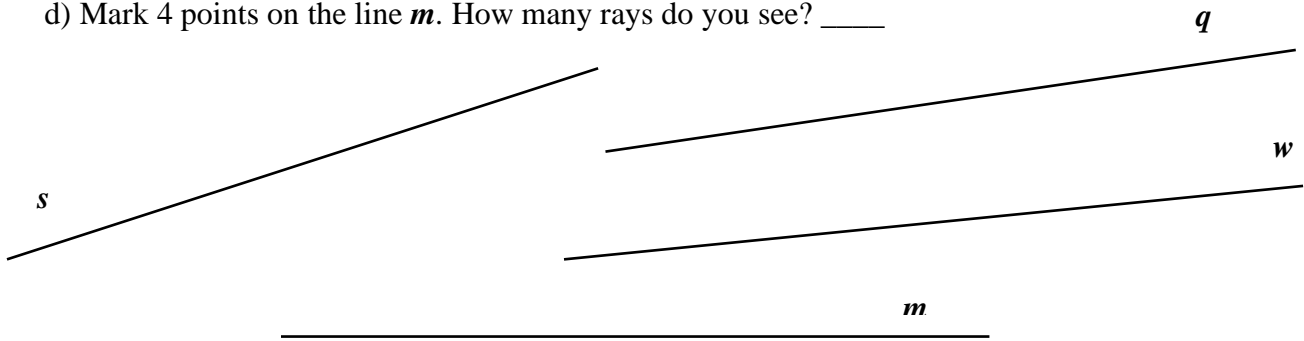
Solve the problems:

- a) Arthur went to the store 4 times last month. He buys 5 bottles of apple juice each time he goes to the store. How many bottles of apple juice did Arthur buy last month? \_\_\_\_\_
- b) There are 8 pencils in each box. How many pencils are in 9 boxes? \_\_\_\_\_
- c) There are 20 liters of honey total in 3 jars. How many liters will be in one jar if we distribute all that honey evenly among 10 jars? \_\_\_\_\_
- d) We need 120 logs to build 2 houses. How many logs do we need to build 6 houses? \_\_\_\_\_
- e) Evelyn went to the store 8 times last month. She buys 11 stickers each time she goes to the store. How many stickers did Evelyn buy last month? \_\_\_\_\_

13

Follow instructions below and fill in the table in the end.

- a) Mark a point on the straight line *s*. How many rays do you see? \_\_\_\_\_
- b) Mark 2 points on the line *q*. How many rays do you see? \_\_\_\_\_
- c) Mark 3 points on the line *w*. How many rays do you see? \_\_\_\_\_
- d) Mark 4 points on the line *m*. How many rays do you see? \_\_\_\_\_



# of points marked	1	2	3	4	5	10	x
# of rays produced							

Write down the formula for the perimeter for each shape in the simplest way.

15

<p>a. </p>	<p>b. </p>
<p>c. </p>	<p>d. </p>
<p>e. </p>	<p>f. </p>