



Math 3 Classwork 2

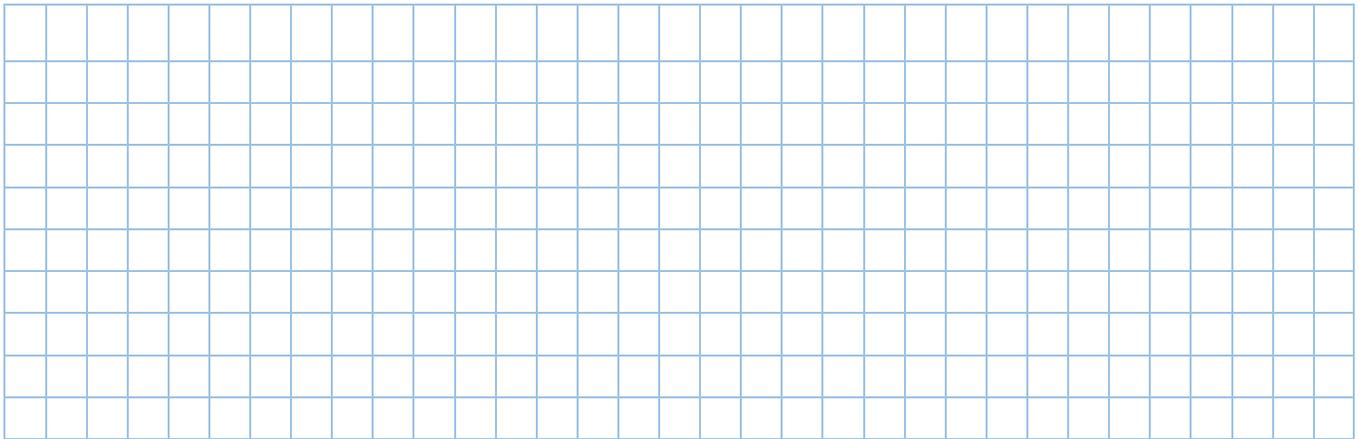
Do you remember the order of operations?

1

Number the order of operations and find the values of each expression (use the graph paper below to calculate!)

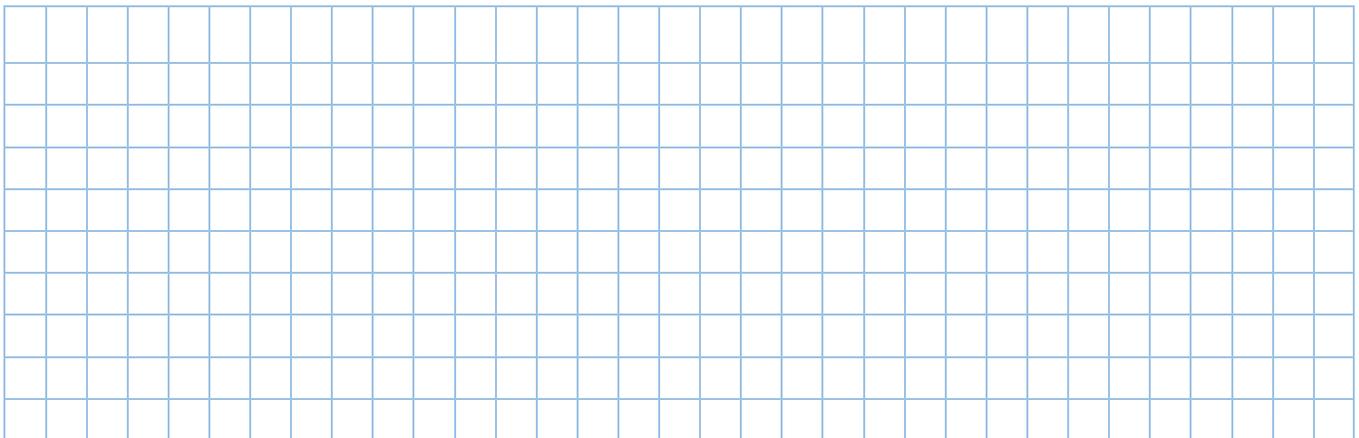
a) $215 - (38 + 169) =$

b) $500 - (239 + 85) + 457 =$



c) $(357 + 194) - 263 =$

d) $(304 - 26) - (72 + 168) =$



2 Calculate using the correct order of operations:

$$7 + 2 \times 3 \times 4 = \underline{\hspace{10em}}$$

$$7 + 10 \times 5 + 6 = \underline{\hspace{10em}}$$

$$10 + 4 \times 2 + 6 = \underline{\hspace{10em}}$$

$$7 \times 3 + 2 + 5 = \underline{\hspace{10em}}$$

$$6 \times 2 + 4 \times 8 = \underline{\hspace{10em}}$$

$$7 + 10(2 + 5) = \underline{\hspace{10em}}$$

$$6 \times 8 + 7 + 4 = \underline{\hspace{10em}}$$

$$7(6 + 3 + 2) = \underline{\hspace{10em}}$$

3 Connect the equivalent expressions:

$$34 - (12 + 6 + 3)$$

$$34 - 12 - 6 + 3$$

$$34 + (12 + 6 + 3)$$

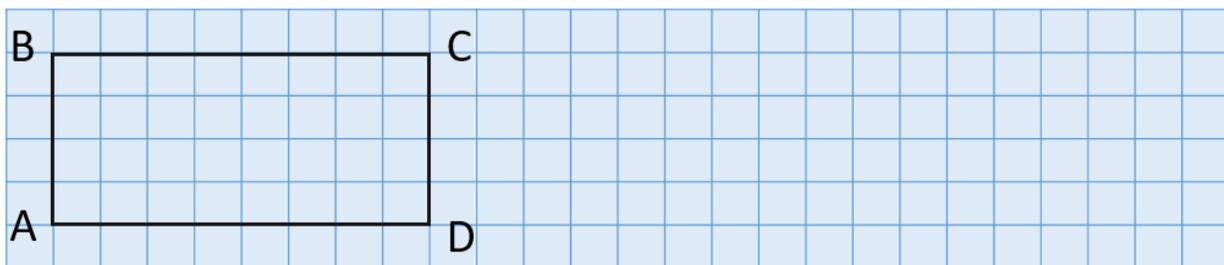
$$34 - 12 - 6 - 3$$

$$34 - (12 + 6 - 3)$$

$$34 + 12 + 6 + 3$$

Do you remember Perimeter and Area?

4 The length of the side of one grid cell is one unit. Find the perimeter of the rectangle ABCD plotted below. Express the perimeter in units. Draw another rectangle KLMN next to the ABCD with a perimeter, which is 8 units bigger. What are the lengths of its sides?



Length of side $|AB| = 4$ units

$|KL| = \underline{\hspace{10em}}$

Length of side $|BC| = 8$ units

$|LM| = \underline{\hspace{10em}}$

$P = \underline{\hspace{10em}}$

$P = \underline{\hspace{10em}}$

5

a) The length of a rectangle is equal to **10**cm and its width is **6** cm.
Find a Perimeter and Area of this rectangle.

P= _____

A= _____

b) The length of a rectangle is equal to **a** cm and its width is **b** cm.
Find a Perimeter and Area of this rectangle.

P= _____

A= _____

6

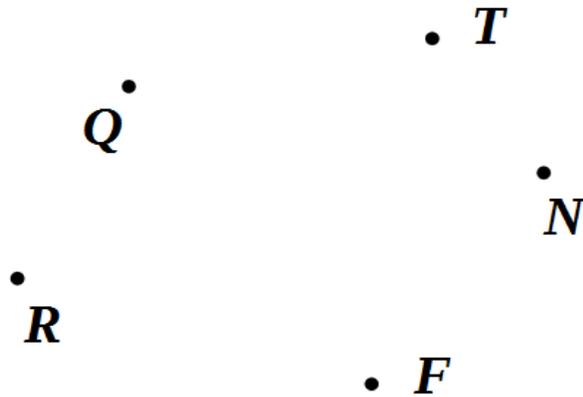
Use a ruler.

a) Plot straight line (**NQ**).

b) Plot ray [**RT**].

c) Label the intersection **M**.

d) Plot segment [**MF**].



7

Express in cm:

2 m 4 dm 3 cm = _____ cm 300 dm = _____ m 5 m 9 cm = _____ cm

901 cm = _____ m _____ cm 40 m = _____ dm 56 cm = _____ dm _____ cm

314 cm = _____ dm _____ cm 50 dm = _____ m 6 m 8 dm = _____ cm

Are you a friend with parenthesis?

8

Open up the parentheses and simplify:

$(s + 3) + 4 =$ _____

$(f + 64) - (a + 4)$ _____

$(n + b - d) - b =$ _____

$(20 - t) + (10 + t) =$ _____

9

***Do you remember how to write down the
Algebraic Expressions?***

There were m fish in an aquarium, and then k more fish were added.

How many fish are in the aquarium now? _____

There were d fish in the aquarium, and we took away p fish from the aquarium.

How many fish are in the aquarium now? _____

There are f fish in the first aquarium and j fish in the second aquarium.

How many fish are both aquariums? _____

There were n fish in the first aquarium and t fish in the second aquarium.

We took away b fish from the first aquarium.

How many fish are in both aquariums now? _____

EQUATIONS?

10

Solve for x using diagrams and check your answer:

$x + 11 = 218$

$201 - x = 35$

$x - 216 = 345$

