

Math 2 Homework 23

Part II. Arithmetic and Algebra Review.

1

Add and subtract in the columns:

$404 + 710 = \underline{\hspace{2cm}}$

$117 - 78 = \underline{\hspace{2cm}}$

$997 - 513 = \underline{\hspace{2cm}}$

$608 + 309 = \underline{\hspace{2cm}}$

2

Fill in the missed numbers in the brackets:

a) $643 = (\quad) + (\quad) + (\quad)$

b) $300 + 30 + 3 = (\quad)$

c) $302 = (\quad) + (\quad) + (\quad)$

d) $900 + 0 + 9 = (\quad)$

3

Write down the comparison of the expressions instead of word sentences:

a) the sum of 29 and 2 is greater than A

b) B is greater than the difference between 20 and 5

c) C is equal to the sum of 11, 32 and 40

d) the difference between 100 and D is less than E

4

Complete the number patterns:

a) , , 290, 285, ,

b) 486, 488, ,

c) , 123, 223, , 423

5

Find the sum using the commutative property of addition.

$5 + 15 + 25 + 35 + 45 + 55 + 65 + 75 + 85 + 95 = \underline{\hspace{4cm}}$

6

Insert missing numbers:

$15 + (5 \times \dots) = 25$

$15 + (5 \times \dots) = 55$

$15 + (5 \times \dots) = 40$

$15 + (5 \times \dots) = 60$

$15 + (5 \times \dots) = 70$

$15 + (5 \times \dots) = 75$

7

Number the order of operations in the way that they should be performed.

② ①

- a) $a + b - c + d$
 b) $(a + b) - (c + d)$
 c) $a + (b - c) + d$
 d) $a + (b - c + d)$

8

Open parentheses and calculate:

- a) $26 + (32 - 16) =$ _____
 b) $(247 - 123) + (383 - 147) =$ _____
 c) $93 + (12 + 15) - 35 =$ _____
 d) $(72 + 15) - 47 - (94 - 72) =$ _____

9.

Compare:

$32 - x$ _____ $32 - (x + 2)$	$32 + x$ _____ $32 + (x + 2)$
$26 - y$ _____ $26 - (y - 3)$	$26 + y$ _____ $26 + (y - 3)$
$b - a$ _____ $b - (a - n)$	$b + a$ _____ $b + (a + m)$
$b - c$ _____ $b - (c - n)$	$b + c$ _____ $b + (c - n)$

10

Solve the problems:

- a) There are four cartons of eggs and each carton has 6 eggs. Two out of all of the eggs are bad. How many good eggs are there altogether?

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

- 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?

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

11

Calculate:

$$49 \times 7 =$$

$$67 \times 4 =$$

$$83 \times 8 =$$

