

Math 4. Homework #10.



1. Compute:

$6 - 8 =$

$-6 + 8 =$

$-8 + (-6) =$

$-42 - 7 =$

$-12 + 4 =$

$-4 - 2 =$

$16 - (-6) =$

$47 - 54 =$

$-3 - 6 =$

$9 + (-8) =$

$-5 - (-7) =$

$10 + (-12) =$

2. Fill the table:

a	5		-8		$-(-189)$	43
$-a$		-2		8		

3. Solve equations:

$6x - 14 = -5x - 3$

$2x - 2 = -16$

$3x + 6 = -48$

4. Jack divided 1932 apples between 17 people and had 11 apples left, Jill divided 261 apples between 17 people and had 6 left. If [you don't have a paper and a pencil](#) to help Jack and Jill with calculations, can you tell them if they can divide apples between 17 people evenly after combining them?

5. Compute using the distributive property, factoring out the common factor:

a) $6 \cdot 65 + 6 \cdot 35 =$

b) $356 \cdot 73 + 644 \cdot 73 =$

c) $\frac{1}{2} \cdot 387 + \frac{1}{2} \cdot 613 =$

6. Factorize the following expressions:

a) $\frac{1}{3}a - \frac{1}{3}b =$

b) $10 + 15 =$

c) $5a - 3a =$

7. At Victoria's Birthday Party, $\frac{3}{5}$ of the guests were girls. At Astrid's Birthday Party $\frac{4}{7}$ of the guests were girls.

a. Which party has a greater fraction of girls?

b. Which party had a greater number of girls?

8. Sunita goes to the grocery store every 3 days and visits the gym every 4 days. If she did both errands today, how many days will pass before she does both on the same day again?

9. Big rectangle contains 9 squares. The side of red square is 1 unit; the side of blue square is 7 units. Find sides of all other squares.

