

Math 4a. Homework 7.

Problems marked with * are more difficult.



1. Positive or negative number will be the product of
 - a) Two negative and one positive numbers.
 - b) One negative and two positive numbers
 - c) Three negative numbers.
 - d) Three positive numbers.
2. What number should be placed instead of “?”



3. Which number should be placed instead of x to get an equality.

- | | |
|--------------------------|---------------------------|
| a) $25 \cdot x = -25$; | e) $x \cdot (-30) = 30$; |
| b) $x : 1 = -7$; | f) $x : (-8) = 0$; |
| c) $x \cdot (-18) = 0$; | g) $-19 \cdot x = 19$; |
| d) $-26 : x = 26$; | h) $x : (-1) = -1$? |

4. Compute:

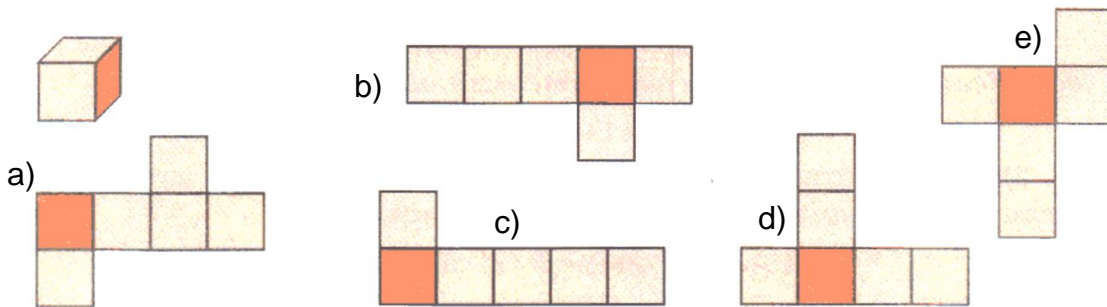
- | | | |
|-------------------|--------------------|--------------------|
| a) $-15 - (-3)$; | c) $-18 - (-22)$; | e) $-10 - (-28)$; |
| b) $40 - (-65)$; | d) $14 - (-44)$; | f) $-62 - (-18)$. |

5. Mary has a cat and a dog. Cat eats a bag of cat food in 21 days and the dog eats a bag of dog food in 15 days. Mary wants to buy food for her animals at the same time. How often Mary should go to the store and how many bags of cat and dog food she should buy at once?

6. Glass holds 200 grams of milk. Which part of glass should be filled with milk to get 160 grams.



7. Which of the pictures below are the cub nets?



8. Fill the empty cells in the tables below (copy tables to your notebook):

1)

a	b	$a + b$	$a - b$
$+ 5\frac{1}{2}$	$+ 4\frac{1}{2}$		
$- 5\frac{1}{2}$	$+ 4\frac{1}{2}$		
$+ 5\frac{1}{2}$	$- 4\frac{1}{2}$		
$- 5\frac{1}{2}$	$- 4\frac{1}{2}$		

2)

a	b	$a + b$	$a - b$
$+ 2\frac{3}{8}$	$+ 3\frac{1}{4}$		
$- 2\frac{3}{8}$	$+ 3\frac{1}{4}$		
$+ 2\frac{3}{8}$	$- 3\frac{1}{4}$		
$- 2\frac{3}{8}$	$- 3\frac{1}{4}$		