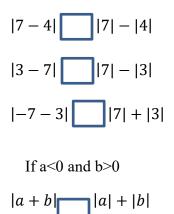
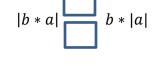
Math 4. Homework 16.	school 5
1. Simplify	
$30 - 2 \cdot (2y + 1) =$	
$30 - 2 \cdot (2y - 1) =$	
2. Fill in the missing numbers to complete the pattern:	
5.40 6.00 6.60 7.30	
3. Find all possible equivalent statements among the statements below:	
 a. A is 40% of B. b. A is 4 times smaller than B. c. A is 25% of B. d. A is 2 times smaller than B. e. B is greater than A by 300%. f. B is 2.5 times greater than A. g. B is greater than A by 100% h. A is smaller than B by 75%. i. A is 50 % of B. j. B is greater than A by 150% 	
4. Solve the equation:	

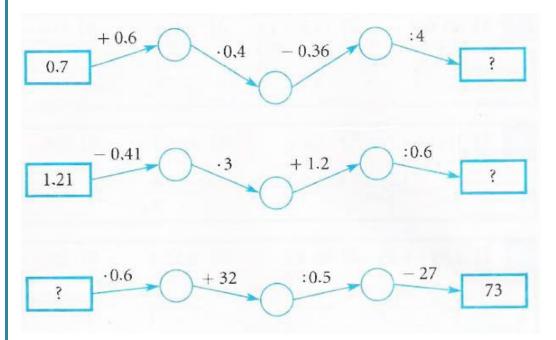
$$14 - \frac{1}{2\frac{1}{7}x} = 2$$

5. Compare:

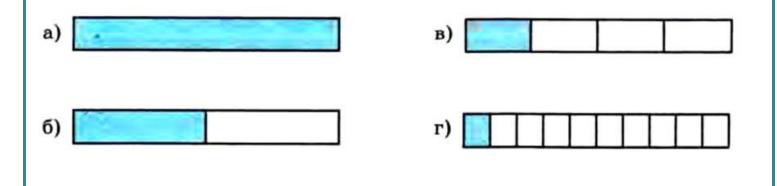




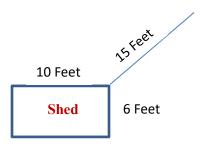
6. Find the missing numbers:



7. Which part of the rectangles below is shaded? What percent of the area is shaded in each?



8. A cow is tethered to the corner of a rectangular shed. If the length of the rope is 15 feet, and the shed has length 10 feet and width 6 feet. Draw the shape of the field that is accessible to the cow and calculate the lengths of rope remaining after the cow turns corners.



9. Draw the segment AC = 6cm. Mark the point B in such a way that

a)
$$\frac{AC}{BC} = 1;$$
 6) $\frac{AC}{BC} < 1;$ b) $\frac{AC}{BC} > 1;$ c) $\frac{AC}{BC} = 2.$

10. There are singers and dancers in our class. $\frac{1}{5}$ of all singers also dance and $\frac{1}{4}$ of all dancers also sing. Are there more singers or dancers in our class?

11. Simplify the following fraction:

a)
$$\frac{2 - \frac{1}{\frac{1}{2} + \frac{1}{4}}}{2 + \frac{1}{\frac{1}{2} + \frac{1}{4}}}$$

12. I have 120 candies and I gave 35% of my candies to a friend. How many candies do I have now?

13. In a department store, there was a sale offering 25% off on everything. What did I pay for the dress, if it's price before the sale was \$80? How much this dress would cost if an additional 30% discount could be applied?