

Math 4c/d session 4 Test. GOOD LUCK!



Name: _____

1. Evaluate:

$$35 - 21 - (-14) =$$

$$\left(\frac{3}{4} + \frac{1}{5}\right) : \frac{19}{20} =$$

$$\frac{1.5 + \frac{1}{4}}{-2.5 + \frac{1}{3} : \frac{2}{9}} =$$

2. Three kids got 36 apples. They divided the apples among the three of them in a ratio 5:3:1. How many apples each of the three kids got? (circle the correct answer)
- a. Kids got 10, 6 and 2 candies
 - b. Kids got 20, 12, and 4 candies
 - c. Kids got 12, 12, and 12 apples
 - d. Kids got 24, 8, and 4 apples
3. Big dog can eat a bag of food in 18 minutes, small dog can eat same bag of food in 36 minutes. How fast they will eat the bag of food together?

4. Solve the following equations:

a. $7x - 7 = 35$

b. $6(2 - 3x) = -(-48)$

c. $|x + 7| = 10$

5. It takes 4 hours for the ferry to travel 20 miles up the river. On the lake (still water) this boat travels with the speed of 7 mile per hour. How many hours does this boat need to travel 27 miles down the river?
5. Julia has 7 bushes to plant along her driveway. How many different ways are there to plant these bushes?
6. (* Bonus problem) Julia can clean up the room in 2 hours, her brother Robert can do it in 3 hours. How fast they will do it together?