

Test

1. 56 candies need to be divided into two bags so that one of them has 3 times fewer candies than the other. How many candies should be put in each bag?

2. Evaluate:

a.  $\frac{25}{36} \cdot \frac{18}{75}$ ;

b.  $1 - \frac{1}{1 + \frac{1}{2}}$ ;

c.  $\frac{25}{36} \cdot \frac{18}{75}$ ;

d.  $\frac{7}{18} : \frac{20}{21} : \frac{5}{12}$ ;

3. Evaluate:

a)  $(-56 + 56) \cdot (-7)$ ;

b)  $(36 - 37) \cdot (-40)$ ;

c)  $(-28 + 29) \cdot (-13)$ ;

d)  $64 : (-32 + 31)$ ;

e)  $-144 : (-18 + 17)$ ;

f)  $(-31 + 31) : (-13 + 12)$ .

4. I want to plant 45 tulips bulbs, 81 daffodils bulbs and 63 lily plants in my garden. If I put the same number of plants in each row and each row has only one type of plant, what is the greatest number of plants I can put in one row?

5. In the online store 'Books and Toys,' each 40th customer is paying  $\frac{3}{4}$  of the total price, and every 50th customer is paying  $\frac{2}{3}$  of the total price. On Wednesday, 1000 customers shopped at the store. How many of them got one of the discounts? How many got both discounts simultaneously? And which part of the price did they pay?

6.  $34.24 + 27.32$ ;  $56.3 \cdot 2.21$ ;