

## Math 4e. Homework 18.

### 1. Find:

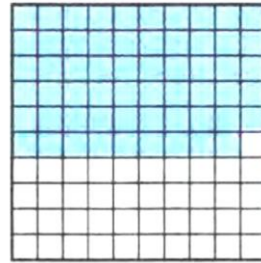
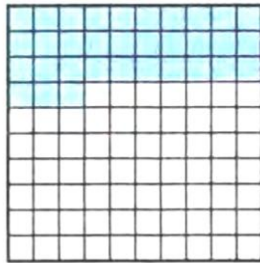
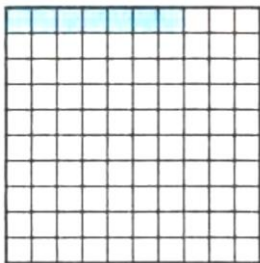
- a. 2% from 150
- b. 3% from 200
- c. 100% from 49
- d. 5% from 300
- e. 20% from 15
- f. 120% from 250
- g. 5% from 50
- h. 25% from 48
- i. 200% from 300

### 2. Find a number, if

- a. 1% of it is 3;
- b. 20% of it is 12;
- c. 15% is 150;
- d. 3% of it is 0.24;
- e. 200% of it is 400;
- f. 100% of it is 0.1;
- g. 50% of it is 1;
- h. 25% of it is 30;

3. In a department store, there is a sale of 25% off on everything. How much does the dress cost if its price before sale was \$80? How much this dress will cost if an additional sale of 30% of will be applied?

4. What percent of each square is shaded on the picture below?



5. There are 40000 books in a library. 75% of all books are in English, 10% of all books are in Spanish and the rest of the books are in French and German. How many books are there in the library in English and in Spanish?
6. Fresh watermelon weighted 10 kg and contained 99% of water. In the store the watermelon lost some amount of water and now contains only 98% of water. What is its weight now?

7. Bronze is an alloy of tin and copper. (Tin and copper are metals; they are melted together to get an alloy which is called bronze). How much copper and how much tin are there in the 80 kg piece of bronze, if the ratio of tin to copper in bronze is 3 to 17?



8. There are 255 seats in a theater. 170 tickets were sold for a movie. Which percent of the total number of seats will be empty if only 90% of the people, who bought tickets will show up for the movie?
9. A dog and a cat share the food. Alone the dog eats this amount of food three times as fast as the cat. Together they finish their food in 12 minutes. How many minutes does it take the dog to eat his food alone? How many minutes does it take the cat?