

Homework # 15 review**1. Compare:**

$|7 + 3| \quad |7| + |3|$

$|a - b| \quad |b - a|$

$|7 - 3| \quad |3 - 7|$

$|3a| \quad 3 * |a|$

2. Solve equations: Remember: $|a| = a$ if $a \geq 0$; $|a| = -a$ if $a < 0$

a) $2x + |3x| = x + 1$

b) $\frac{1}{3}y + 2 = 1$

c) $8 - \frac{1}{4\frac{1}{7}z} = 1$

3. Compute

$$\frac{\frac{5}{12} - \frac{3}{16}}{\frac{2}{3} + \frac{3}{4}} =$$

4. A cook put 3 tablespoons of salt into a pot with 4 liters of water and 2 tablespoons of salt into a pot with 3 liters of water. Which pot has saltier water?

5. There are singers and dancers in our class. 15 of all singers also dance and 14 of all dancers also sing. Are there more singers or dancers in our class?

Percent

1 percent of quantity is a $\frac{1}{100}$ th part of it.

1. One percent (1%) means 1 per 100.



2. How many squares do we have to shade so that we cover 10% of the line, 15%, 20%, 25%?

3. How many percent is :

a. $\frac{3}{100}$

b. $\frac{7}{10}$

c. $\frac{5}{25}$

d. $\frac{15}{60}$

e. 0.53

f. 0.04

g. 15 of 100

h. 15 of 60

4. Find:

What is 100% of 80?

50% of 80?

10% of 80?

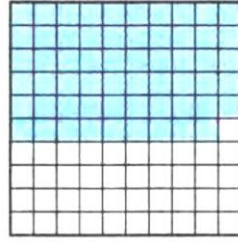
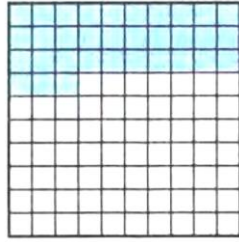
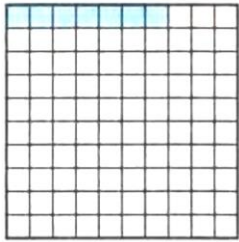
12% of 80?

Finding 10% of a number is dividing this number by 10.

5. 40% of what number is 12?

6. What percent of 48 is 12?

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



8. There was 25% of the cake left after a Birthday party. Ann ate 60% of the leftover cake. How much of the original cake did she eat?

9. Ann ate 25% of the cake the first day, on the second day she ate 85% of the leftover cake. How much of the whole cake did she eat altogether?