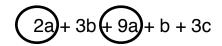
Collecting like terms

You can only collect terms whose letters are the same.

Step 1: Write out the question.

2a + 3b + 9a + b + 3c

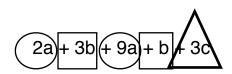
Step 2: Circle all the terms with the same letters (like terms). Make sure you also capture the plus or minus on the left.



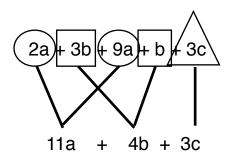
Step 3: Now put a rectangle around the next group of like terms.



Step 4: If there are any more groups of like terms then put a triangle around them.



Step 5: Now just add up how many of each group you have got. This is your answer!



Questions

Collect the like terms in these expressions:

$$1.a + a$$

$$2. a + 2a$$

$$3. a + 3a + b$$

$$4.2a + b + 3b$$

$$5. a + b + 2b + 3a$$

$$6. a + 2b + 3c + 3a + 3b$$

$$7.3x + 7y + 2x + 9y$$

$$8.8A + 9A + 10B + 5A$$

9.
$$13d + 2f + f + f + 2d$$

10.
$$x + y + x + y + 2x + 2z$$

11.
$$25x + 2y - 19x - y$$

13.
$$3x + 45z - 4x + 13y$$

$$14. d - 2d + 3e + d$$

15.
$$2f - 3f + 9g + 2f - 2f + f$$

$$17.34x + 13xy + 12y$$

$$18.99x - 12xy + x - 12xy^2$$

19.
$$2(x + 3y) - 2x$$

20.
$$3x(2 + x) - x^2$$