

Activity Lab 2-3

Simplifying Algebraic Expressions

Each nut bread contains walnuts, pecans, and Brazil nuts. How many of each type of nut does each nut bread contain?

1. This nut bread contains:

2 walnuts

Twice as many pecans as walnuts

10 nuts in all

2. This nut bread contains:

4 pecans

Half as many Brazil nuts as pecans

10 nuts in all

3. Walnuts make up half of the nuts in this nut bread:

It has exactly 2 pecans

The number of walnuts is double the number of pecans

4. This nut bread contains:

The same number of pecans as walnuts

3 more Brazil nuts than pecans

A total of 18 nuts

5. This nut bread contains 12 nuts:

Half of the nuts are pecans

Walnuts make up $\frac{1}{4}$ of the nut bread

6. This nut bread contains at least 12 nuts:

It has one more walnut than pecans

It has one more pecan than Brazil nuts

7. This nut bread contains:

3 times as many pecans as Brazil nuts

One more walnut than Brazil nuts

6 nuts in all

8. This nut bread contains:

An equal number of pecans and Brazil nuts

5 more walnuts than pecans

No more than 20 nuts
