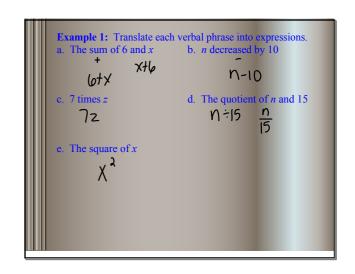
```
Warm-up. Evaluate each of these.

1. 2[54 \div (4^2 + 2)]
2[54 \div (8] + 2]
2[54 \div
```

Section 1.2/1.3 Write Expressions,
Equations, and Inequalities

Goal
Translate verbal phrases into expressions, equations, and inequalities

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Note: Order is extremely important when writing SUBTRACTION and DIVISION expressions.

*When the phrase less than? is used, you need to switch the order of what you would normally think how to write it.

For example, 10 less than x is written x - 10

Example 2: Translate each verbal phrase into expressions.

a. 6 less than the quantity 8 times a number x.

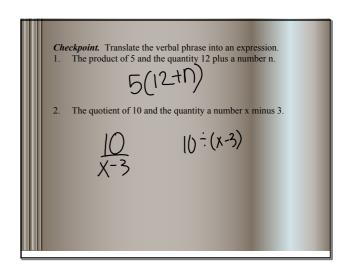
()

(%X) - 6

b. 2 times the sum of 5 and a number a

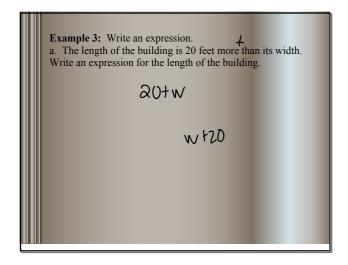
2 (5+a)

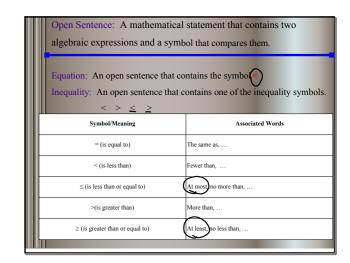
c. The difference of 17 and the cube of a number n



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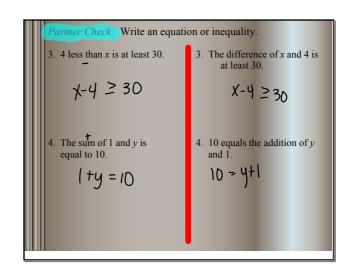




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Example 4: Translate each verbal phrase into an equation or inequality statement.

a. The difference of twice a number p and six is 18. 2p - 6 = 18b. The product of 4 and a number m is at least 16. $4m \ge 6$ $4m \ge 6$ A number m is no less than 7 and no more than 15



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