Net Forces Challenge #1

Interpret each drawing of forces on the box. Calculate and write the resulting net force on the blank below the box (make sure to include the correct unit of measure). On the next blank, write the word balanced or unbalanced and circle the arrow for the direction of the resulting net force.





Below is a diagram of a tug-a0war. Circle the correct word to complete the sentences that follow.



- a. The forces shown are PUSHING/ PULLING forces.
- b. The forces shown are acting in the SAME DIRECTION/ OPPOSITE DIRECTIONS.
- c. The forces are EQUAL/ NOT EQUAL.
- d. The forces are BALANCED/ UNBALANCED..
- e. Motion is to the RIGHT/ LEFT.

Calculating Net Forces - Answer Key

Examples

- A. 225 Newtons (N) unbalanced to the right
- B. 75 N unbalanced to the left
- C. 0 N balanced no direction
- D. 224 N unbalanced to the right
- E. 13 N unbalanced to the left
- F. 6011 N unbalanced to the left

Problems

- 1. 25 N unbalanced to the left
- 2. 0 N balanced no direction
- 3. 192 N unbalanced to the right
- 4. 348 N unbalanced to the right
- 5. 5 N unbalanced to the right
- 6. 8732 N unbalanced to the right
- 7. 2380 N unbalanced to the left
- 8. 13 N unbalanced to the left