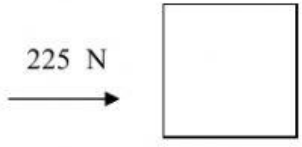
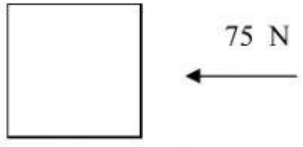
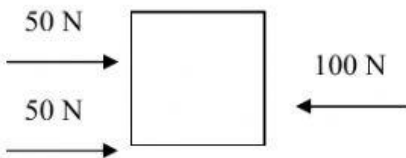
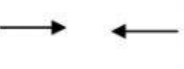
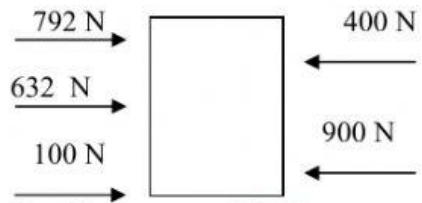
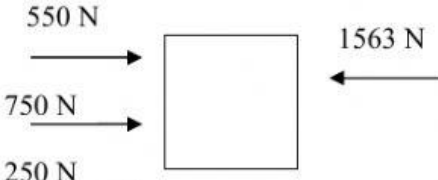
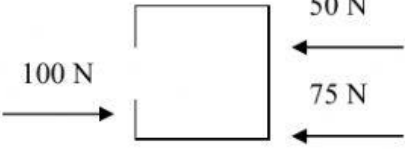
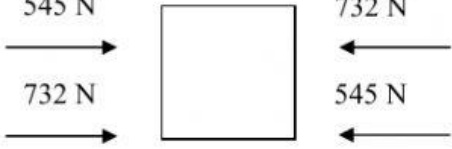
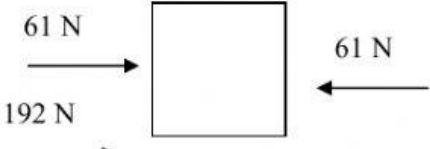
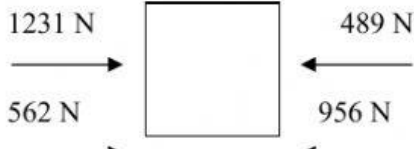
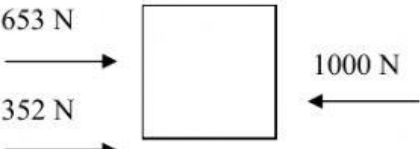
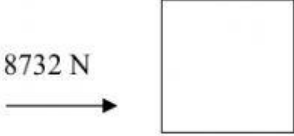
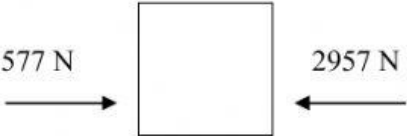
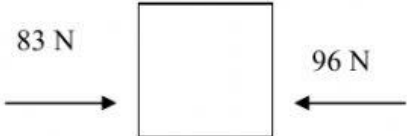


## Calculating Net Forces

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 select the arrow for the direction of the resulting net force. See the examples below.

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A.</p>  <p>225 N</p> <p>Net Force <u>225 N</u></p> <p><u>unbalanced</u></p>                                             | <p>B.</p>  <p>75 N</p> <p>Net Force <u>75 N</u></p> <p><u>unbalanced</u></p>                                                          |
| <p>C.</p>  <p>50 N</p> <p>50 N</p> <p>100 N</p> <p>Net Force <u>0 N</u></p> <p><u>balanced</u></p>                       | <p>D.</p>  <p>792 N</p> <p>632 N</p> <p>100 N</p> <p>400 N</p> <p>900 N</p> <p>Net Force <u>224 N</u></p> <p><u>unbalanced</u></p>  |
| <p>E.</p>  <p>550 N</p> <p>750 N</p> <p>250 N</p> <p>1563 N</p> <p>Net Force <u>13 N</u></p> <p><u>unbalanced</u></p>  | <p>F.</p>  <p>987,256 N</p> <p>993,267 N</p> <p>Net Force <u>6,011 N</u></p> <p><u>unbalanced</u></p>                              |

|                                                                                                                                       |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.</p>  <p>Net Force _____</p> <p>_____ → ←</p>   | <p>2.</p>  <p>Net Force _____</p> <p>_____ → ←</p>   |
| <p>3.</p>  <p>Net Force _____</p> <p>_____ → ←</p>   | <p>4.</p>  <p>Net Force _____</p> <p>_____ → ←</p>   |
| <p>5.</p>  <p>Net Force _____</p> <p>_____ → ←</p> | <p>6.</p>  <p>Net Force _____</p> <p>_____ → ←</p> |
| <p>7.</p>  <p>Net Force _____</p> <p>_____ → ←</p> | <p>8.</p>  <p>Net Force _____</p> <p>_____ → ←</p> |