Consider a person standing upright and motionless on the floor.

What is the net (i.e. total) force on the person?

1.     2.     3.   

4.     5.   
(zero)

What are the individual forces on the person? (the real forces – not their components)

1.     2.     3.   

4.     5.   
Consider a runner pushing off the starting blocks in a sprint race. What are the forces on her in the position shown in the picture?

What is the net (i.e. total) force on the runner?

1.  
2.  
3.  
4.  
5.
What are the individual forces on the runner? (the real forces – not their components)

1. 
2. 
3. 

4. 
5. 
Consider a skier sliding down a slope. What are the forces on her in the position shown in the picture?

What is the net (i.e. total) force on the skier?

1.  
2.  
3.  
4.  
5.
What are the individual forces on the skier? (the real forces – not their components)

1. 
2. 
3. 
4. 
5. (zero)