

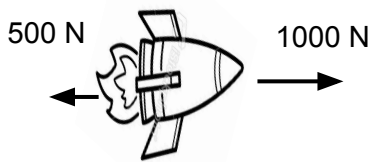
NEWTON'S SECOND LAW

1

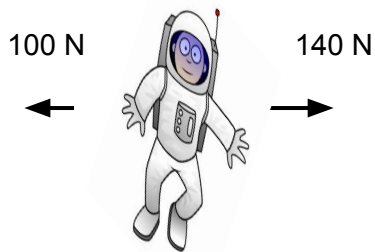


Find the size and direction of the unbalanced force and acceleration in each situation below.

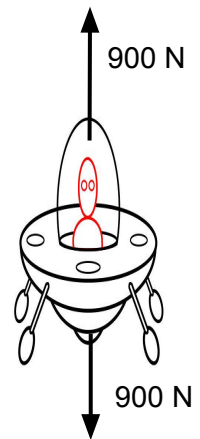
Mass of spacecraft
250 kg



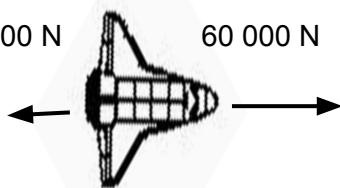
Mass of astronaut 80 kg



Mass of spacecraft 200 kg

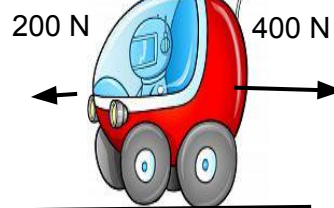


20 000 N 60 000 N



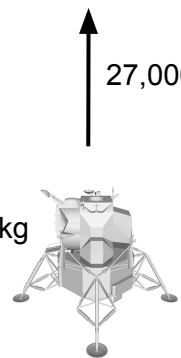
20 000 kg

mass 500 kg



27,000 N

15,000 kg



30,000 N