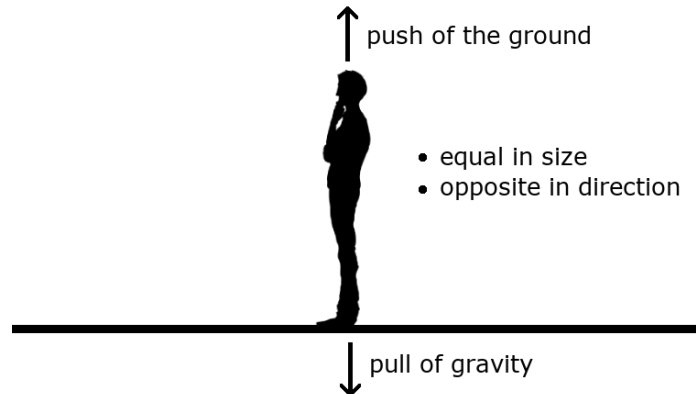


Balanced Forces

Two forces of the same strength but acting in opposite directions are called balanced forces. Take this diagram as an example:



Gravity is pulling down on the person, causing the person's feet to push down. The ground is pushing up against the person's feet. The force of the gravity is equal in size and opposite in direction to the force of the ground. The result is that the person is still.

Imagine if the force of gravity was stronger than the force of the ground. The person would be pulled into the ground by the stronger force of gravity.

What about if the force of the ground was stronger than gravity? What do you think would happen?

S	N	O	I	T	C	I	R	F	B	B
Y	W	N	X	Z	U	I	O	A	E	N
T	Y	V	D	Z	I	S	L	T	M	V
I	T	L	Z	P	T	A	I	C	X	O
V	E	R	V	E	N	S	Z	L	X	Y
A	J	D	N	C	O	H	D	H	W	P
R	U	G	E	P	D	E	C	R	O	F
G	A	D	P	T	F	R	Y	I	D	C
M	I	O	Z	E	F	L	Q	P	L	S
P	U	S	H	A	D	U	F	H	S	R
E	B	F	M	X	J	U	P	U	L	L

balanced	force	pull	push
gravity	opposites	magnets	friction

Draw and label another example of a balanced force.