

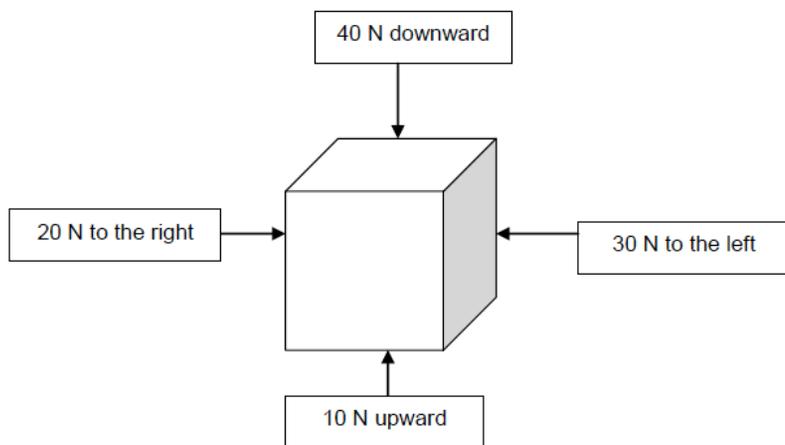
Name \_\_\_\_\_ period \_\_\_\_\_

# 8<sup>th</sup> grade DO NOW

## WEEK 6

8.6A Demonstrate and calculate how unbalanced forces can change the speed or direction of an object's motion.

Use the picture below for each of the next questions.



Date \_\_\_\_\_

Unbalanced forces can change the speed or direction of an object's motion. What are the net horizontal forces that are acting on this box?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.  
\_\_\_\_\_  
\_\_\_\_\_
4. Answer the question in the space below.

Date \_\_\_\_\_

Forces can be balanced or unbalanced. What are the net vertical forces that are acting on this box?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.  
\_\_\_\_\_  
\_\_\_\_\_
4. Answer the question in the space below.

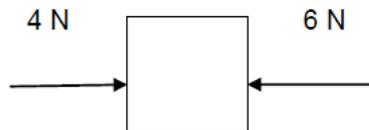
Date \_\_\_\_\_

Balanced forces do not cause a change in motion. Using the information in the picture, tell which direction and with what force this box will move.

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.  
\_\_\_\_\_  
\_\_\_\_\_
4. Answer the question in the space below.

Date \_\_\_\_\_

In the diagram, a 4N force acts to the right and a 6N force acts to the left. What is the net force acting on the box?



1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

\_\_\_\_\_

\_\_\_\_\_

4. Answer the question in the space below.

Date \_\_\_\_\_

In the diagram, a 4N force acts to the right and a 6N force acts to the left. What direction will the box move?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

\_\_\_\_\_

\_\_\_\_\_

4. Answer the question in the space below

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

1. Radio

2. Photon

3. Microwaves

4. Stars

5. Infrared

6. Visible

7. Sun

8. Wavelength

9. Ultraviolet

10. Second

11. X-rays

12. Radiation

13. EM spectrum

14. Gamma rays

15. Frequency