

Force & Motion Task Cards

By: Plan Teach Grade Repeat

Force & Motion

#1

What can make an object stop, speed up, slow down or change direction?

- a. Gravity
- b. Work
- c. Force
- d. Inertia

v1

Force & Motion

#1

What makes an object stop, speed up, slow down or change direction?

v2

Differentiated
Versions

North Carolina Essential Standards

5.P.1 Understand force, motion and the relationship between them.

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Force & Motion Task Cards

Directions

Print and cut out cards. To make the cards more durable print on cardstock and laminate them. Assign to students in groups or individually.

Differentiation

On the bottom right corner of each card is the version number. Cards with v1 are cards that have scaffolding (i.e. multiple choice answers). Cards with v2 have no scaffolding and are fill in the blank or open ended.

Answer Key v1

- | | |
|----------|----------|
| 1. C | 11. B |
| 2. C | 12. C |
| 3. B | 13. D |
| 4. FALSE | 14. A |
| 5. B | 15. C |
| 6. C | 16. B |
| 7. D | 17. A |
| 8. C | 18. TRUE |
| 9. C | 19. A |
| 10. A | 20. TRUE |

Answer Key v2

- | | |
|----------------------------|--------------------------|
| 1. Force | 11. Speed |
| 2. Gravity | 12. Acceleration |
| 3. Move in a straight path | 13. Inertia |
| 4. FALSE | 14. Newton's First |
| 5. B | 15. Friction |
| 6. Unbalanced | 16. Air Resistance |
| 7. Varies | 17. Push or Pull |
| 8. Force | 18. TRUE |
| 9. Newton's Third | 19. There is NO movement |
| 10. Net Force | 20. TRUE |

Force & Motion

#1

What can make an object stop, speed up, slow down or change direction?

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v1

Force & Motion

#2

What keeps objects on earth from floating into space?

- a. Sun
- b. Force
- c. Gravity
- d. Motion

v1

Force & Motion

#3

What would happen to earth if gravity suddenly stopped?

- a. Nothing
- b. It would move in a straight line
- c. It would rise up
- d. It would move in the opposite direction

v1

Force & Motion

#4

True or False: Your weight on Earth and on the Moon are the same?

v1

Force & Motion

#5

What changes when the force of gravity changes?

- a. Mass
- b. Weight
- c. Volume
- d. Neither

v1

Force & Motion

#6

A force that sets an object into motion is _____.

- a. Balanced.
- b. Friction.
- c. Unbalanced.
- d. Inertia.

v1

Force & Motion

#7

Which of the following is not used to reduce friction?

- a. Wheels
- b. Ball bearings
- c. Oil
- d. Rough surfaces

v1

Force & Motion

#8

Something that makes an object start moving, stop moving, speed up, slow down or change direction is a _____.

- a. load.
- b. Position.
- c. Force.
- d. Effort.

v1

Force & Motion

#9

For every action there is an equal and opposite reaction is which of Newton's laws?

- a. First
- b. Second
- c. Third
- d. None of the above

v1

Force & Motion

#10

Adding or subtracting individual forces gives a combined force called a _____.

- a. Net force
- b. Acceleration
- c. Friction
- d. machine

v1

Force & Motion

#11

The measure of distance an object moves in a certain amount of time is called _____.

- a. Time
- b. Speed
- c. Acceleration
- d. Work

v1

Force & Motion

#12

The change in speed of an object in motion is called _____.

- a. Time
- b. Speed
- c. Acceleration
- d. Work

v1

Force & Motion

#13

The tendency of an object to stay at rest or stay in motion is called _____.

- a. Friction
- b. Newton
- c. Force
- d. Inertia

v1

Force & Motion

#14

For every action, there is an equal and opposite reaction is which of Newton's laws?

- a. First
- b. Second
- c. Third
- d. None of the above

v1

Force & Motion

#15

A force that acts on an object when it rubs against another object or material is called _____.

- a. Force
- b. Air resistance
- c. Friction
- d. Gravity

v1

Force & Motion

#16

The friction between an object and particles in the air is called _____.

- a. Force
- b. Air resistance
- c. Friction
- d. Gravity

v1

Force & Motion

#17

What is a force?

- a. Push or a pull
- b. Measurement of gravity
- c. Determined by mass
- d. The speed an object moves

v1

Force & Motion

#18

True or False: Speed is equal to distance divided by time.

v1

Force & Motion

#19

Describe the motion of a rope that is being pulled in opposite directions with the same force?

- a. There is no movement
- b. It moves to the right
- c. It moves to the left
- d. It falls to the ground

v1

Force & Motion

#20

True or False: The greater the mass of the object, the greater the force required to move or stop the object.

v1

Force & Motion

#1

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v2

Force & Motion

#2

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Force & Motion

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- a. Mass
- b. Weight
- c. Volume
- d. Neither

v2

Force & Motion

#6

A force that sets an object into motion is _____.

v2

Force & Motion

#7

Name an object that increases friction.

v2

Force & Motion

#8

Something that makes an object start moving, stop moving, speed up, slow down or change direction is a _____.

v2

Force & Motion

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v2

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v2

Name: _____ Version #: _____

**Force & Motion Task Card
Answer Sheet**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
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15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Name: _____ Version #: _____

**Force & Motion Task Card
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15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

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