

Math & Science Homework Boxes

Monday

- What is **inertia**?
 - the amount of force necessary to make an object move
 - an object's velocity combined with its friction
 - what keeps an object steady, whether at rest or moving at the same velocity.
 - the amount of friction necessary to slow down an object.
- How do you calculate **speed**?
- What is **momentum**? Give an example of a time when you have experienced momentum.

Tuesday

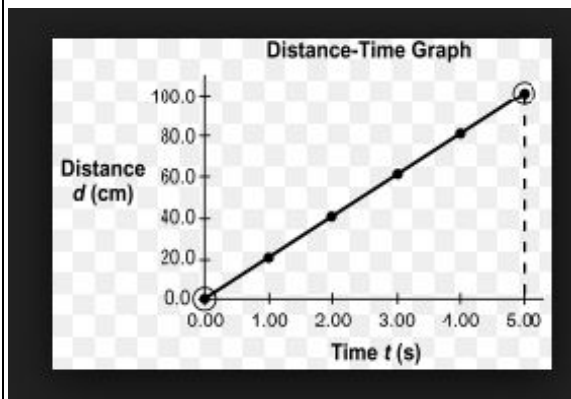
- Define **acceleration** and give a real world example of a time or event when you have experienced it.
- Your dog's wagging tail knocks over a cup of pencils sitting at your desk. What kind of **force** is his tail?
 - a balanced force
 - an unbalanced force
 - a gravitational force
 - none of the above

Wednesday

- What **force** causes objects to fall to the ground once they are thrown into the air?
 - Push
 - Pull
 - Friction
 - Gravity
- The rubbing of two surfaces creates friction. **Friction** can also create _____ . (Hint: what happens when you rub your hands together?)
- Two people are pulling on opposite ends of the rope with the same amount of force. What happens to the rope?
 - It will move to the right.
 - It will move to the left.
 - It will stay in place.
 - It will fall to the ground.

Thursday

1.



The motion graph above shows the object is:

- decreasing speed
- at rest
- increasing speed
- changing direction

2. If an apple and a watermelon are dropped at the same time, which one will hit the Earth first? Explain your answer.

Monday

1. Solve the following problems using your preferred method for multiplication:

393×50

295×33

2. Round to the underlined place value:

12.38

8.826

2.69

Tuesday

1. Compare using $<$, $>$, or $=$.

2.17 _____ 2.9

4.73 _____ 4.138

9.456 _____ 9.8

2. Mrs. Moffett and Ms. DiFruscio ran a race.

Mrs. Moffett finished in 25.32 minutes. Ms.

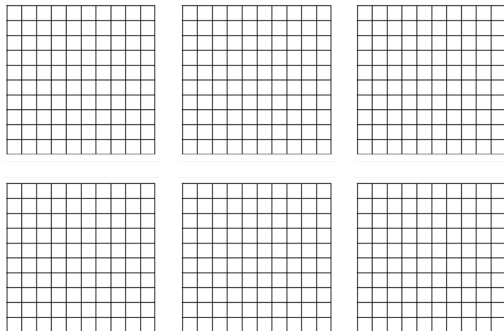
DiFruscio finished in 25.2 minutes. Who finished first?

3. Write the following number in standard and expanded form:

Two hundred seven and sixty-three hundredths.

Wednesday

1. About halfway through last year's basketball season, J.P. Tokoto averaged 2.3 turnovers per game. His teammate Isaiah Hicks averaged 0.8 turnovers per game and Kennedy Meeks averaged 1.5 turnovers per game. What was their combined average number of turnovers per game at this point in the season? Use base ten drawings or grids to support your answer.



Thursday

1. The school track relay team has three members. To practice for their event, they each ran part of a mile. John ran 0.7 of a mile, Emily ran 0.8 of a mile, and Carson ran 0.75. How many miles did the three team members run altogether?

W

I

T

S