Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_ Group: A / B Coding group: 1 / 2 / 3 / 4

Review the video and answer the following questions.

| Write at least three things you notice about the video BEFORE pressing play: |
| --- |
| Pause the video at different times BEFORE the animals reach the end. Write at least three things that you notice. |
| Pause the video at the very END. Write at least three things that you notice. |

Pause the video at 2 hours, then fill in this table.

| Animal | Time | Distance |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Review the video and answer the following questions.

| 1. Review the speeds for all of the animals. Then answer the following:  Which one has the highest speed? How do you know?  Which one has the lowest speed? How do you know? |
| --- |
| 2. Which animal covered the distance faster than everyone else? |
| 3. Which animal covered the distance slower than everyone else? |
| 4. How do you use the speeds to determine who comes first, second, third, fourth |

#1 Assignment: understanding rates

| 1. A police car drives 236 km in 3 hours.   What is its average speed in kilometers per hour? | 1. Mike drives his car 60 km in 55 minutes. What is its average speed in kilometers per minute? |
| --- | --- |

#2 Assignment: Compute distances from rates

| 1. Sarah rides her bike with a constant speed of 9 km/h.   How far can she travel in 4 hours? | 1. An airplane flies with a constant speed of   398 mph.  How far can it travel in 3 and ½ hours? |
| --- | --- |

#3 Assignment: Compute times from rates

| 1. A train travels with a constant speed of   34 km/h.  How long will it take to travel a distance of 33.4 kilometers? | 1. An airplane flies with a constant speed of   880 km/h.  How long will it take to travel a distance of 3652 kilometers? |
| --- | --- |

#4 Bonus: Decide which section should be used to solve these problems:

| 1. Find speed when, distance is 142 km and time is 2 hours. | 1. Find out the distance covered when, speed is 960 km/hour and time is 5.5 hours. |
| --- | --- |