Scientist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Score: 1 2 3 4**

**Actual Score: 1 2 3 4**

**Assessment 1.1 A**



**5280 feet = 1 mile**

**1 mile = 1609 meters**

**12 inches = 1 foot**

**1000 grams = 1 Kilogram**

**1 pound = .4 Kilogram**

**1 pound = 453 grams**

**1 mile = 1.6 Km**

**1 month = 30 days**

**60 seconds = 1 minute**

**60 minutes = 1 hour**

**24 hours = 1 day**

**1 year = 365 days**

1. If you were converting 42 meters into kilometers, which fraction would you use as a converting factor?

|  |  |  |  |
| --- | --- | --- | --- |
| A) $$\frac{1000 meters}{1 km}$$ | B)$$\frac{1000 km}{1 meter}$$ | C)$$\frac{1 km}{1000 meters}$$ | D)$$\frac{1 meter}{1000 km}$$ |

Explain your reasoning:

1. Usain Bolt is the world champion in the 200 meter race, how many miles is that?
2. We have 8.4 months of school left, how many days is class is that?
3. A cheetah can run 27 m/s how fast is that in km per hour?
4. Ms. Hannouche is taking a trip down to San Diego and is driving on the freeway at 65 miles/hour. If San Diego is 107 miles away, how long does it take her to get there?

Scientist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Score: 1 2 3 4**

**Actual Score: 1 2 3 4**

**Assessment 1.1 B**



**5280 feet = 1 mile**

**1 mile = 1609 meters**

**12 inches = 1 foot**

**1000 grams = 1 Kilogram**

**1 pound = .4 Kilogram**

**1 pound = 453 grams**

**1 mile = 1.6 Km**

**1 month = 30 days**

**60 seconds = 1 minute**

**60 minutes = 1 hour**

**24 hours = 1 day**

**1 year = 365 days**

1. If you were converting 42 meters into kilometers, which fraction would you use as a converting factor?

|  |  |  |  |
| --- | --- | --- | --- |
| A) $$\frac{1000 km}{1 m}$$ | B)$$\frac{1000 meter}{1 km}$$ | C)$$\frac{1 meter}{1000 km}$$ | D)$$\frac{1 km}{1000 meters}$$ |

Explain your reasoning:

1. We have 8.4 months of school left, how many days is class is that?
2. Usain Bolt is the world champion in the 200 meter race, how many miles is that?
3. A cheetah can run 27 m/s how fast is that in km per hour?
4. Ms. Hannouche is taking a trip down to San Diego and is driving on the freeway at 65 miles/hour. If San Diego is 107 miles away, how long does it take her to get there?

Scientist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Score: 1 2 3 4**

**Actual Score: 1 2 3 4**

**Assessment 1.1 Accom.**

1. If you were converting 42 meters into kilometers, which fraction would you use as a converting factor?

|  |  |  |  |
| --- | --- | --- | --- |
| A) $$\frac{1000 meters}{1 km}$$ | B)$$\frac{1000 km}{1 meter}$$ | C)$$\frac{1 km}{1000 meters}$$ | D)$$\frac{1 meter}{1000 km}$$ |

Explain your reasoning:

1. Usain Bolt is the world champion in the 200 meter race, how many miles is that?

**1 mile = 1609 meters**

|  |  |  |
| --- | --- | --- |
|  $$\frac{200 meters}{1 km}$$ | $$\frac{10 00 km}{1 meter}$$ | $$\frac{ miles}{1000 meters}$$ |

1. We have 8.4 months of school left, how many hours until the end of the year?

**1 month = 30 days**

**1 day = 24 hours**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $$\frac{27 meters}{second}$$ | $$\frac{1 km}{1000 meters}$$ | $$\frac{1 km}{1000 meters}$$ | $$\frac{1 km}{1000 meters}$$ | $$\frac{ km}{ hour}$$ |

1. A cheetah can run 27 m/s how fast is that in km per hour?

**1 minute = 60 seconds**

**60 minutes = 1 hour**

**1 km = 1000 meters**

|  |  |  |
| --- | --- | --- |
|  $$\frac{hour}{65 miles}$$ | $$\frac{1 km}{1000 meters}$$ | $$\frac{ hours }{1000 km}$$ |

|  |  |  |  |
| --- | --- | --- | --- |
| $$\frac{8.4 months}{}$$ | $$\frac{1000 km}{1 meter}$$ | $$\frac{1 km}{1000 meters}$$ | $$\frac{ hours}{1000 km}$$ |

1. Ms. Hannouche is taking a trip down to San Diego and is driving on the freeway at 65 miles/hour. If San Diego is 107 miles away, how long does it take her to get there?