

Would You Rather...

Answer Key

Would you rather...

Go to a birthday party at the Y and take a swim in the pool when the water temperature is 74°F (Fahrenheit) or 35°C (Celsius)?

Need a float?

$$^{\circ}\text{F} = \frac{9}{5} \text{C} + 32$$



SOLUTION:

Use the formula and plug in °C to find the Fahrenheit temperature.

$$^{\circ}\text{F} = \frac{9}{5} \text{C} + 32$$

$$^{\circ}\text{F} = \frac{9}{5} (35) + 32$$

$$^{\circ}\text{F} = \frac{315}{5} + 32$$

$$^{\circ}\text{F} = 63 + 32$$

$$^{\circ}\text{F} = 95$$

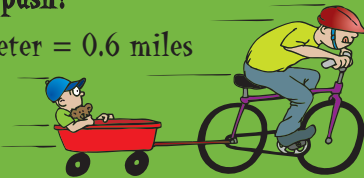
So you would choose between 74°F or 95°F. To spend any amount of time swimming, 95°F would be a much better choice.

Would you rather...

Hook your brother up to the back of your bike and pull him in a trailer down the Tow Path 0.7 miles or 1.2 kilometers?

Need a push?

1 kilometer = 0.6 miles



SOLUTION:

To find this answer, we will convert km to miles.

$$\frac{1\text{km}}{0.6\text{mi}} = \frac{1.2\text{km}}{x}$$

*cross - multiply

$$1x = 0.72$$

$$x = 0.72 \text{ miles}$$

It is not a great difference, but it would be easier to tow him 1.2 km, rather than 0.7 miles.

Would you rather...

Carry a backpack through Sand Run Metro park that weighs 21 lbs (pounds) or has a mass of 14kg (kilograms)?

Need to lighten your load?

1kg = 2.2 lbs



SOLUTION:

To find this answer, we will convert kilograms to pounds.

$$\frac{1\text{kg}}{2.2\text{lbs}} = \frac{14}{x}$$

*cross - multiply

$$1x = 30.8$$

$$x = 30.8 \text{ pounds}$$

It would require less work to carry a backpack that weighs 21 pounds compared to 14 kilograms.