

Name _____

Date _____



KMH TO MPH CONVERSION 1

Use the fact $1 \text{ km} = 0.6213 \text{ miles}$ to help you answer the questions below.

Give all your answers to 1 decimal place.

KM PER HOUR	MILES PER HOUR
35	
42	
60	
96	
115	

WORKING OUT

1) Frazer travels by car at an average speed of 50 km per hour.

How many miles per hour is this? _____

2) Newton goes running. He runs at a speed of 7 km per hour.

What is his speed in mph? _____

3) A recurve bow can fire an arrow at 245 km/h.

How many miles per hour is this? _____

4) A Boeing 747 can fly at a cruise speed of 900 km per hour.

How many mph is this? _____

5) At top speed, a cheetah can run 120 km/h.

What is a cheetah's top speed in mph?



KMH TO MPH CONVERSION 1 ANSWERS

Use the fact $1 \text{ km} = 0.6213 \text{ miles}$ to help you answer the questions below.

Give all your answers to 1 decimal place.

KM PER HOUR	MILES PER HOUR
35	<u>21.7</u>
42	<u>26.1</u>
60	<u>37.3</u>
96	<u>59.7</u>
115	<u>71.5</u>

	WORKING OUT
1) Frazer travels by car at an average speed of 50 km per hour. How many miles per hour is this? <u>31.1 mph</u>	$50 \times 0.6213 = 31.1 \text{ to } 1\text{dp}$
2) Newton goes running. He runs at a speed of 7 km per hour. What is his speed in mph? <u>4.3 mph</u>	$7 \times 0.6213 = 4.3 \text{ to } 1\text{dp}$
3) A recurve bow can fire an arrow at 245 km/h. How many miles per hour is this? <u>152.2 mph</u>	$245 \times 0.6213 = 152.2 \text{ to } 1\text{dp}$
4) A Boeing 747 can fly at a cruise speed of 900 km per hour. How many mph is this? <u>559.2 mph</u>	$900 \times 0.6213 = 559.2 \text{ to } 1\text{dp}$
5) At top speed, a cheetah can run 120 km/h. What is a cheetah's top speed in mph? <u>74.6 mph</u>	$120 \times 0.6213 = 74.6 \text{ to } 1\text{dp}$