

Name _____

Date _____



MINUTES PER MILE TO MPH CONVERSION 1

Use the fact 1 minute per mile = 60 miles per hour to help you answer the questions below. Give all your answers to 1 decimal place where appropriate.

MINUTES PER MILE	MILES PER HOUR
5	
20	
1.5	
0.25	
4.2	

WORKING OUT

- 1) Frazer walks a mile in 25 minutes.

How many miles per hour is this? _____

- 2) Newton goes running. He runs at a speed of 8 miles per minute.

What is his speed in mph? _____

- 3) A racing car travels round a track at a speed of 0.5 minutes per mile.

How many miles per hour is this? _____

- 4) The record for swimming a mile is 14.5 minutes.

How many mph is this? _____

- 5) The fastest mile was run in 3.72 minutes.

How many miles per hour does this work out as? _____



MINUTES PER MILE TO MPH CONVERSION 1 ANSWERS

Use the fact 1 minute per mile = 60 miles per hour to help you answer the questions below. Give all your answers to 1 decimal place where appropriate.

MINUTES PER MILE	MILES PER HOUR
5	<u>12</u>
20	<u>3</u>
1.5	<u>40</u>
0.25	<u>240</u>
4.2	<u>14.3 (to 1dp)</u>

WORKING OUT

- 1) Frazer walks a mile in 25 minutes.

$$\underline{60 \div 25 = 2.4}$$

How many miles per hour is this? 2.4 mph

- 2) Newton goes running. He runs at a speed of 8 miles per minute.

$$\underline{60 \div 8 = 7.5}$$

What is his speed in mph? 7.5 mph

- 3) A racing car travels round a track at a speed of 0.5 minutes per mile.

$$\underline{60 \div 0.5 = 120}$$

How many miles per hour is this? 120 mph

- 4) The record for swimming a mile is 14.5 minutes.

$$\underline{60 \div 14.5 = 4.1 \text{ (to 1dp)}}$$

How many mph is this? 4.1 mph

- 5) The fastest mile was run in 3.72 minutes.

$$\underline{60 \div 3.72 = 16.1 \text{ (to 1dp)}}$$

How many miles per hour does this work out as? 16.1 mph
