

Name

Date



## MPH TO MINUTES PER MILE CONVERSION 1

Use the fact  $60 \text{ minutes per mile} = 1 \text{ mile per hour}$  to help you answer the questions below. Give all your answers to 1 decimal place where appropriate.

MILES PER HOUR	MINUTES PER MILE
35	
10	
2.5	
120	
75	

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### WORKING OUT

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1) Frazer walks at 3 miles per hour.

How many minutes per mile is this?

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2) Newton goes running at a speed of 7 mph.

How many minutes would it take him to travel a mile at this speed?

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3) A racing car travels round a track at 155 miles per hour.

How many minutes per mile is it traveling?

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4) The top speed of a Boeing 747 is 660 miles per hour.

How many minutes per mile is this?

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5) A sailfish can reach speeds of 68 miles per hour.

How many minutes per mile is this?

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6) A giant tortoise travels at speeds of about 0.2 miles per hour.

How many minutes per mile would this be?

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## MPH TO MINUTES PER MILE CONVERSION 1 ANSWERS

Use the fact  $60 \text{ minutes per mile} = 1 \text{ mile per hour}$  to help you answer the questions below. Give all your answers to 2 decimal places where appropriate.

MILES PER HOUR	MINUTES PER MILE
35	1.7
10	6
2.5	24
120	0.5
75	0.8

### WORKING OUT

- 1) Frazer walks at 3 miles per hour.

$$60 \div 3 = 20.$$

He is walking at 20 minutes per mile.

How many minutes per mile is this?

- 2) Newton goes running at a speed of 7 mph.

$$60 \div 7 = 8.57 \text{ (to 1dp)}$$

It would take him 8.57 minutes to travel a mile.

How many minutes would it take him to travel a mile at this speed?

- 3) A racing car travels round a track at 155 miles per hour.

$$60 \div 155 = 0.39 \text{ (to 2dp)}$$

It is traveling at 0.39 minutes per mile.

How many miles per mile is it traveling?

- 4) The top speed of a Boeing 747 is 660 miles per hour.

$$60 \div 660 = 0.09 \text{ (to 2dp)}$$

It is traveling at 0.09 minutes per mile.

How many minutes per mile is this?

- 5) A sailfish can reach speeds of 68 miles per hour.

$$60 \div 68 = 0.88 \text{ (to 2dp)}$$

It is traveling at 0.88 minutes per mile.

How many minutes per mile is this?

- 6) A giant tortoise travels at speeds of about 0.2 miles per hour.

$$60 \div 0.2 = 300.$$

The tortoise is moving at 300 minutes per mile.

How many minutes per mile would this be?