Fast Five

1.   35 x 25
2.   1600 x 10
3.   3645 + 456
4.   0.6 x 0.5
5.   556.23 - 225.2

Fast Five Answers

1. 35 x 25 = 875
2. 1600 x 10 = 16000
3. 3645 + 456 = 4101
4. 0.6 x 0.5 = 0.3
5. 556.23 - 225.2 = 331.03

Can I convert between miles and kilometres?

Miles and Kilometres

Both of these measurements are used to show distance. Most countries use Kilometres, however countries such as the UK and Liberia prefer to use miles.

If you were planning a route through France, which uses Kilometres rather than miles, you would need to be able to convert between miles and kilometres to know how far the distance was.

How to convert

If we know that 8km is 5 miles, we can work out how much 1km is in miles.

8km = 5 miles

8km divided by 8 = 1km

We divide the miles by the same number

5 divided by 8 = 0.625 miles

For our maths lesson we will use

1km = 0.6 miles

How to convert

If we know that 8km is 5 miles, we can work out how much 1m is in kilometres.

8km = 5 miles

5m divided by 5 = 1 mile

We divide the kilometres by the same number
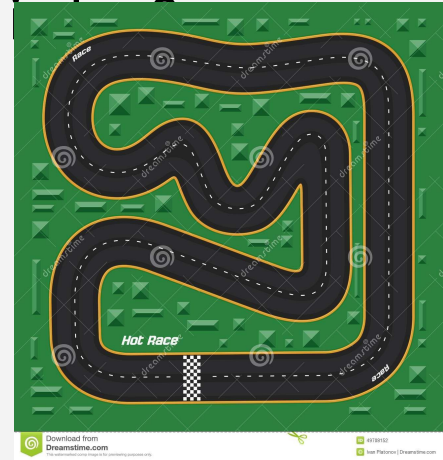
8 divided by 5 = 1.6 km

Remember

1 mile = 1.6 km

My turn

This racetrack is 8 miles long. What would it be in km?

What is 1 mile in km? 1.6km

So 1.6 x 8 = 12.8km

So this race track is approximately 12.8km long

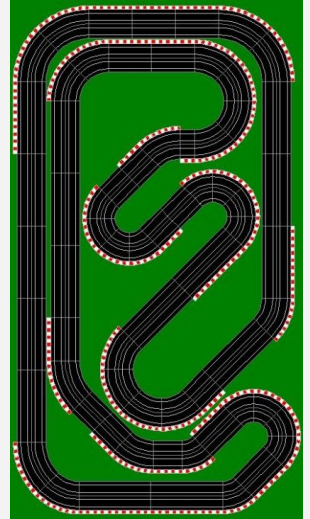# Next example

This racetrack is 10km long. What would it be in miles?

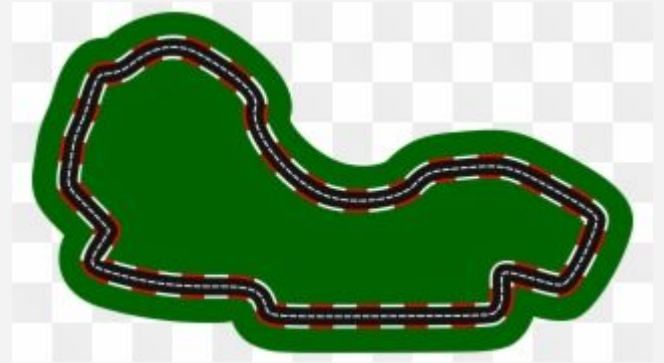What is 1km in miles? 0.6 miles

So 0.6 x 10 = 6 miles

So this race track is approximately 6 miles long

Your turn

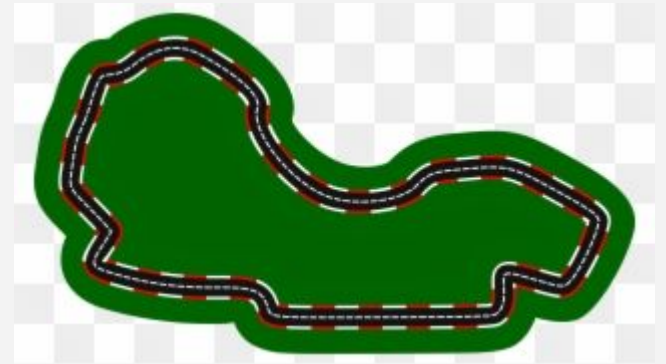This racetrack is 7 km long.

What would it be in miles?

Your turn answer

This racetrack is 7 km long.

What would it be in miles?

What is 1km in miles? 0.6 miles
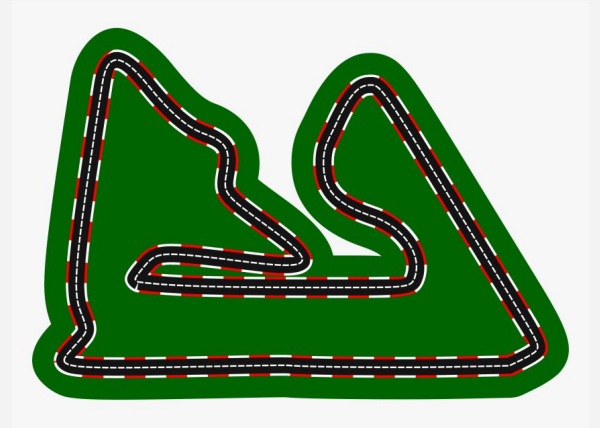
So 0.6 x 7 = 4.2 miles

So this race track is approximately 4.2 miles long

Question

This racetrack is 15 miles long.

What would it be in km?

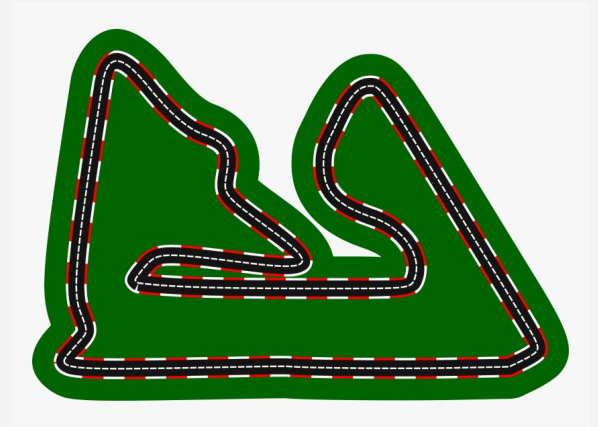# Answer

This racetrack is 15 miles long.

What would it be in km?

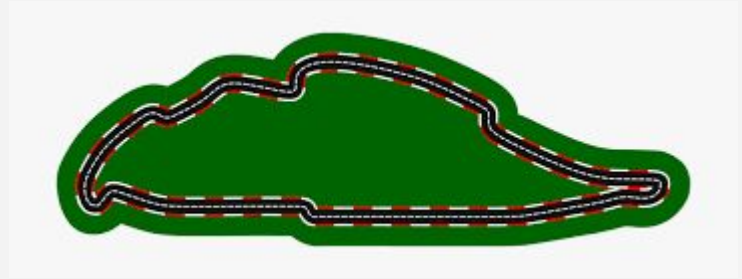What is 1mile in km? 1.6 km

So 1.6 x 15 = 24km

So this race track is approximately 24km long

Question

This racetrack is 1.6 miles long.

What would it be in km?

Answer

This racetrack is 1.6 miles long.

What would it be in km?

What is 1mile in km? 1.6 km

So 1.6 x 1.6 = 2.56km

So this race track is approximately 2.56km long
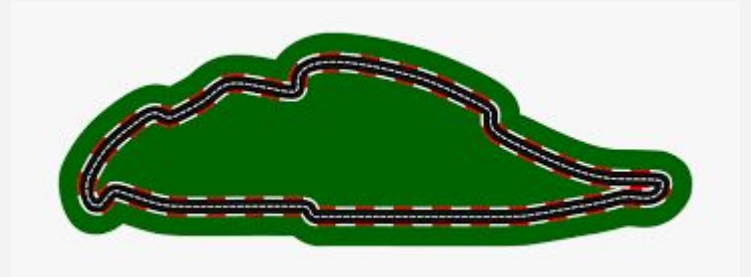
Red and Yellow Tasks

RED

1. 24km = _____miles
2. 32km = _____miles
3. 48km = _____miles
4. 72km = _____miles
5. 80km = _____miles

Yellow

1. 72km = _____miles
2. 80km = _____miles

Use these signs to complete these questions <   >   =

24 miles   32 kilometres
45 miles   70 kilometres
15 miles   24 kilometres

Green

Complete the table

	Miles	Km
Sheffield to York		96km
Carlisle to Manchester		192km
Cambridge to Oxford	85 miles	
Exeter to Birmingham		280 km
John O'Groats to Lands End		968 km

Green answers

Complete the table

	Miles	Km
Sheffield to York	57.6 miles	96km
Carlisle to Manchester	115.2 miles	192km
Cambridge to Oxford	85 miles	136km
Exeter to Birmingham	168 miles	280 km
John O'Groats to Lands End	580.8 miles	968 km

Red and Yellow Answers

RED

1. 24km = **14.4** miles
2. 32km = **19.2** miles
3. 48km = **28.8** miles
4. 72km = **43.2** miles
5. 80km = **48** miles

Yellow

1. 72km = **43.2** miles
2. 80km = **48** miles

Use these signs to complete these questions <   >   =

24 miles   >   32 kilometres
45 miles   >   70 kilometres
15 miles   =   24 kilometres

Green answers

Complete the table

	Miles	Km
Sheffield to York	57.6 miles	96km
Carlisle to Manchester	115.2 miles	192km
Cambridge to Oxford	85 miles	136km
Exeter to Birmingham	168 miles	280 km
John O'Groats to Lands End	580.8 miles	968 km