



Converting Miles and Kilometres

I can convert between miles and kilometres.



To convert from miles to kilometres, divide the number of miles by 5, then multiply by 8.

1. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

100 miles	$100 \div 5 = 20$ $20 \times 8 = 160$	160km
120 miles		
150 miles		
125 miles		
155 miles		

2. Draw a circle around the larger measurement.

- a) 50 miles 50km
b) 200 miles 350km
c) 160 miles 240km



To convert from kilometres to miles, divide the number of kilometres by 8, then multiply by 5.

3. Use the conversion information above to convert these measurements from kilometres to miles. The first one has been done for you.

160km	$160 \div 8 = 20$ $20 \times 5 = 100$	100 miles
320km		
144km		
176km		
272km		

4. Place a tick by the measurements which are greater than 75 miles.

	Tick if greater than 75 miles
136km	
104km	
128km	

5. Two friends go for a drive. Harry records the distance of his journey as 75 miles. Franz records his journey in kilometres. The distance Franz travelled was 125km. Who travelled the farthest? Show how you worked out the answer.



Converting Miles and Kilometres **Answers**

1. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

100 miles	$100 \div 5 = 20$ $20 \times 8 = 160$	160km
120 miles	$120 \div 5 = 24$ $24 \times 8 = 192$	192km
150 miles	$150 \div 5 = 30$ $30 \times 8 = 240$	240km
125 miles	$125 \div 5 = 25$ $25 \times 8 = 200$	200km
155 miles	$155 \div 5 = 31$ $31 \times 8 = 248$	248km

2. Draw a circle around the larger measurement.

- a) 50 miles 50km
b) 200 miles 350km
c) 160 miles 240km

3. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

160km	$160 \div 8 = 20$ $20 \times 5 = 100$	100 miles
320km	$320 \div 8 = 40$ $40 \times 5 = 200$	200 miles
144km	$144 \div 8 = 18$ $18 \times 5 = 90$	90 miles
176km	$176 \div 8 = 22$ $22 \times 5 = 110$	110 miles
272km	$272 \div 8 = 34$ $34 \times 5 = 170$	170 miles



4. Place a tick by the measurements which are greater than 75 miles.

	Tick if greater than 75 miles
136km	✓
104km	
128km	✓

5. Two friends go for a drive. Harry records the distance of his journey as 75 miles. Franz records his journey in kilometres. The distance Franz travelled was 125km. Who travelled the furthest? Show how you worked out the answer.

Franz travelled the furthest.

Convert miles to kilometres:

$$75 \div 5 = 15 \times 8 = 120\text{km}$$

120km is less than 125km



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1. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

150 miles	$150 \div 5 = 30$ $30 \times 8 = 240$	240km
220 miles		
195 miles		
325 miles		

2. Convert these measurements from miles to kilometres. As the measurements are not multiples of 5, the calculations will include decimals.

132 miles	$132 \div 5 = 26.4$ $26.4 \times 8 = 211.2$	211.2km
198 miles		
231 miles		
179 miles		



To convert from kilometres to miles, divide the number of kilometres by 8, then multiply by 5.

3. Use the conversion information above to convert these measurements from kilometres to miles. The first one has been done for you.

184km	$184 \div 8 = 23$ $23 \times 5 = 115$	115 miles
216km		
192km		
320km		

4. Convert these measurements from kilometres to miles. As the measurements are not multiples of 8, the calculations will include decimals.

132km	$132 \div 8 = 16.5$ $16.5 \times 5 = 82.5$	82.5 miles
196km		
236km		
220km		

5. Order these measurements from shortest to longest:

a)

42km	30 miles	20 miles
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shortest longest

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b)

190km	100 miles	115 miles
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shortest longest

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7. Alain is on his holidays in England. His car records his journey in kilometres. He has been told it is 75 miles to go from the port to the first town he is visiting. If he travels at 50km per hour, will he complete his journey in less than 3 hours?



Converting Miles and Kilometres **Answers**

1. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

150 miles	$150 \div 5 = 30$ $30 \times 8 = 240$	240km
220 miles	$220 \div 5 = 44$ $44 \times 8 = 352$	352km
195 miles	$195 \div 5 = 39$ $39 \times 8 = 312$	312km
325 miles	$325 \div 5 = 65$ $65 \times 8 = 520$	520km

2. Convert these measurements from miles to kilometres. As the measurements are not multiples of 5, the calculations will include decimals.

132 miles	$132 \div 5 = 26.4$ $26.4 \times 8 = 211.2$	211.2km
198 miles	$198 \div 5 = 39.6$ $39.6 \times 8 = 316.8$	316.8km
231 miles	$231 \div 5 = 46.2$ $46.2 \times 8 = 369.6$	369.6km
179 miles	$179 \div 5 = 35.8$ $35.8 \times 8 = 286.4$	286.4km

3. Use the conversion information above to convert these measurements from kilometres to miles. The first one has been done for you.

184km	$184 \div 8 = 23$ $23 \times 5 = 115$	115 miles
216km	$216 \div 8 = 27$ $27 \times 5 = 135$	135 miles
192km	$192 \div 8 = 24$ $24 \times 5 = 120$	120 miles
320km	$320 \div 8 = 40$ $40 \times 5 = 200$	200 miles



4. Convert these measurements from kilometres to miles. As the measurements are not multiples of 8, the calculations will include decimals.

132km	$132 \div 8 = 16.5$ $16.5 \times 5 = 82.5$	82.5 miles
196km	$196 \div 8 = 24.5$ $24.5 \times 5 = 122.5$	122.5 miles
236km	$236 \div 8 = 29.5$ $29.5 \times 5 = 147.5$	147.5 miles
220km	$220 \div 8 = 27.5$ $27.5 \times 5 = 137.5$	137.5 miles

5. Order these measurements from shortest to longest:

a)

20 miles	42km	30 miles
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shortest longest

b)

100 miles	115 miles	190km
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shortest longest

6. A marathon race lasts approximately 26 miles. Lara says that this is more than 35km. Is she right? Show how you know.

Lara is right. $26 \div 5 \times 8 = 41.6$

26 miles \approx 41.6km. This is more than 35km.

7. Alain is on his holidays in England. His car records his journey in kilometres. He has been told it is 75 miles to go from the port to the first town he is visiting. If he travels at 50km per hour, will he complete his journey in less than 3 hours?

$75 \text{ miles} = 75 \div 5 \times 8 = 120\text{km}$.

If he travels at 50km per hour, in 3 hours he could travel 150km.

He should be able to complete the journey in 3 hours.



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To convert from kilometres to miles, divide the number of kilometres by 8, then multiply by 5.

1. Convert these measurements from miles to kilometres. Some of the measurements will have a decimal answer. The first one has been done for you.

175 miles	$175 \div 5 = 35$ $35 \times 8 = 280$	280km
140 miles		
285 miles		
202 miles		
319 miles		
390 miles		
241 miles		

2. Which of these measurements is closest to the first measurement given? Draw a circle around the closest.

95 miles	160km	150km	148km	151km
325km	190 miles	205 miles	250 miles	215 miles
135 miles	214km	220km	210km	225km



3. Convert these measurements from kilometres to miles. Some of the measurements will have a decimal answer. The first one has been done for you.

184km	$184 \div 8 = 23$ $23 \times 5 = 115$	115 miles
140km		
136km		
76km		
118km		
240km		
216km		

4. Place the measurements in the correct place on the table.

Below 50 Miles	Between 50 and 75 Miles	75 Miles and Above

68km

104km

92km

136km

76km

120km

5. A long-distance race lasts approximately 25 miles. A competitor has completed 25km. Which of these answers is closest to how far he has left to complete? Draw a circle around the closest answer.

a) 14km

b) 7.5 miles

c) 15 miles



6. Billy is driving from Chelmsford to Manchester. The distance between the two cities is 280km. He travels at a speed of 50 miles per hour. If he sets off at 11:00 a.m., when should he arrive?



Converting Miles and Kilometres **Answers**

1. Convert these measurements from miles to kilometres. Some of the measurements will have a decimal answer. The first one has been done for you.

175 miles	$175 \div 5 = 35$ $35 \times 8 = 280$	280km
140 miles	$140 \div 5 = 28$ $28 \times 8 = 224$	224km
285 miles	$285 \div 5 = 57$ $57 \times 8 = 456$	456km
202 miles	$202 \div 5 = 40.4$ $40.4 \times 8 = 323.2$	323.2km
319 miles	$319 \div 5 = 63.8$ $63.8 \times 8 = 510.4$	510.4km
390 miles	$390 \div 5 = 78$ $78 \times 8 = 624$	624km
241 miles	$241 \div 5 = 48.2$ $48.2 \times 8 = 385.6$	385.6km

2. Which of these measurements is closest to the first measurement given? Draw a circle around the closest.

95 miles	160km	150km	148km	151km
325km	190 miles	205 miles	250 miles	215 miles
135 miles	214km	220km	210km	225km



3. Convert these measurements from kilometres to miles. Some of the measurements will have a decimal answer. The first one has been done for you.

184km	$184 \div 8 = 23$ $23 \times 5 = 115$	115 miles
140km	$140 \div 8 = 17.5$ $17.5 \times 5 = 87.5$	87.5 miles
136km	$136 \div 8 = 17$ $17 \times 5 = 85$	85 miles
76km	$76 \div 8 = 9.5$ $9.5 \times 5 = 47.5$	47.5 miles
118km	$118 \div 8 = 14.75$ $14.75 \times 5 = 73.75$	73.75 miles
240km	$240 \div 8 = 30$ $30 \times 5 = 150$	150 miles
216km	$216 \div 8 = 27$ $27 \times 5 = 135$	135 miles

4. Place the measurements in the correct place on the table.

Below 50 Miles	Between 50 and 75 Miles	75 Miles and Above
68km	104km	136km
76km	92km	120km

5. A long-distance race lasts approximately 25 miles. A competitor has completed 25km. Which of these answers is closest to how far he has left to complete? Draw a circle around the closest answer.

a) **14km**

b) 7.5 miles

c) 15 miles

6. Billy is driving from Chelmsford to Manchester. The distance between the two cities is 280km. He travels at a speed of 50 miles per hour. If he sets off at 11:00 a.m., when should he arrive?
2:30 p.m.