



- 1)  The distance from London to Birmingham.  
 The length of a football pitch.  
 The length of the Amazon river.  
 The length of your school field.

2) a)

Miles	Kilometres
10	16
15	24
30	48
100	160
1	1.6

b)

Kilometres	Miles
32	20
64	40
400	250
192	120
7.2	4.5

- 1) a) *This is always true as 1 mile  $\approx$  1.6km.*  
 b) *This is never true. I can use miles or kilometres to record any distance. The reason I might choose to use miles or kilometres would probably depend on where I lived. UK for example uses miles to describe distances whereas most of Europe uses kilometres.*  
 c) *This is always true as 12km  $\approx$  7½ miles.*
- 2) *Alice is not correct as she has used = instead of  $\approx$ .  
 Freya is correct as 24km  $\approx$  15 miles.  
 Harry is not correct as he has just doubled the number of miles to estimate the number of kilometres.*



- 1) a) *Team Roadracer: Rod: 960km  $\approx$  600 miles  
 Rachel: 1120km  $\approx$  700 miles  
 Ruaridh: 2080km  $\approx$  1300 miles*      *Team Tornado: Tod: 790 miles  $\approx$  1264km  
 Trish: 1055 miles  $\approx$  1688km  
 Tori: 1245 miles  $\approx$  1992km*
- b) *2600 miles*
- c) *Team Roadracer has driven 4160km.  
 Team Tornado has driven approximately 4944km which is approximately 784km more.*
- d) *4160km  $\div$  4 = 1040km  
 $\frac{1}{5}$  of the race = 1040 km  
 1040 km  $\times$  5 = 5200km  
 $\frac{5}{5}$  or 1 whole race = 5200km*
- 2) a) *The entire race is approximately 5200km.*  
 b) *Team Warmwheels had 3400km left to drive (5200km - 1800km)*  
 c) *Day 1 to 3: 5200km - 1800km = 3400km  
 Day 4: 3400km - 600km = 2800km  
 Day 5: 2800km - 640km = 2160km  
 Day 6: 2160km - 680km = 1480km  
 Day 7: 1480km - 720km = 760km  
 Day 8: 760km - 760km = 0km left to race  
 It took Team Warmwheels 8 days to complete the entire race.*

