



Converting Between Miles and KM

Miles to KM: $(\text{miles} \div 5) \times 8$

KM to Miles: $(\text{km} \div 8) \times 5$

1. A coach carrying 32 passengers travels between London and Birmingham. Whilst the journey is usually 164km long, a road closure meant the coach had to take a 15 mile detour. How far did the coach travel on this occasion?

2. A speed restriction sign reads 50kmph (50km per hour). Mr. Tiddsmith says: "As my car's speed is measured in mph (miles per hour), I need to be doing 35mph." Is he correct? Explain your answer.

3. During a marathon the elite runners must have a 10 mile head start of the fun runners. How many km must the elite runners have completed before the fun runners can start?

