Y6 Miles Kilometres

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Convert 20 miles to kilometres.

Step 1 · How many lots of 5 miles?

$20 \div 5 = 4$

Step 2 · Each 5 miles is 8 km

$4 \times 8 = 32$

Answer: 32 km

Check: More kilometres than miles, because a kilometre is shorter ✓

2. Now try one with the steps

Convert 56 km to miles.

Step 1 · How many lots of 8 km?

Step 2 · Each 8 km is 5 miles

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Convert 10 miles to kilometres.

2. Convert 15 miles to kilometres.

3. Convert 40 km to miles. Give the number of miles.

4. Convert 30 miles to kilometres.

5. Convert 72 km to miles. Give the number of miles.

6. Convert 50 miles to kilometres.

7. Convert 2.5 miles to kilometres.

8. Convert 120 km to miles. Give the number of miles.

9. Which is further: 30 miles or 45 km?

10. A marathon is about 26 miles. Use 1 mile ≈ 1.6 km to find this in kilometres.

11. A park run is 5 km. Using 5 miles = 8 km, how many miles is it? Give an exact decimal.

12. A road sign says a city is 85 miles away. How far is that in kilometres?

13. A cyclist rides 24 km on Saturday and 20 miles on Sunday. How many kilometres is that altogether?

14. A holiday drive is 400 km. About how many miles is that?

15. Is a mile longer or shorter than a kilometre? Explain how you know.

4. Before you hand it in

Converting 20 miles to 12.5 km.

Miles → km: the number gets bigger (× 8 ÷ 5). Km → miles: the number gets smaller (÷ 8 × 5).

Thinking 1 mile = 1 km.

5 miles ≈ 8 km, so a mile is about 1.6 km.

Comparing 30 miles and 45 km by saying 45 > 30.

Convert first: 30 miles = 48 km, which is more than 45 km.