

Arithmetic

1. $\frac{4}{9} \times \frac{1}{3}$

2. $5 - 2.46$

3. 0.2×30

4. $1\frac{1}{5} \times 3$

Practice: Miles and Kilometres

5. Recap: Explain what the \approx symbol means.



6. What are the missing numbers?

a. 5 miles \approx ? kilometres

b. 8 kilometres \approx ? miles

7. What are the missing numbers?

a. 1 mile \approx ? km

b. 1 km \approx ? miles

8. Convert to miles.

a. 4km

b. 16km

c. 80km

9. Convert to km.

a. 50 miles

b. 15 miles

c. 25 miles

10. Explain how to convert 10 miles to kilometers.



11. Put in ascending order of size.

1 mile

1 km

$\frac{1}{2}$ mile

12. Put in descending order of size.

3km

2 miles

2km

13. If 5 miles \approx 8 kilometres then 15 miles \approx 18 kilometres.



Is this correct?

Challenge

14. 5 children were raising money by running each day.

Myron ran 6 miles

Aston ran 2.5 miles

Raihan ran 8km

Osama ran 4.8km

Huxley ran 4 miles

Calculate the total distance they ran in:

a. miles

b. kilometres



You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$\frac{4}{9} \times \frac{1}{3}$	$\frac{4}{27}$
2	$5 - 2.46$	2.54
3	0.2×30	6
4	$1\frac{1}{5} \times 3$	$\frac{18}{5}$ or $3\frac{3}{5}$
5	Explain what the \approx symbol means.	The \approx symbol means roughly equal to or approximately equal to.
6	What are the missing numbers?	a. 8, b. 5
7	What are the missing numbers?	a. 1.6, b. $\frac{5}{8}$ or 0.625
8	Convert to miles.	a. 2.5, b. 10, c. 50
9	Convert to km.	a. 80, b. 24, c. 40
10	Explain how to convert 10 miles to kilometers.	As 5 miles \approx 8 kilometres, 10 miles would be \approx 16 kilometers. To work this out, pupils need to be able to see the relationship between 5 miles and 10 miles (10 is double 5) and apply this to the kilometres (by also doubling them).
11	Put in ascending order of size.	$\frac{1}{2}$ mile, 1 km, 1 mile
12	Put in descending order of size.	2 miles, 3 km, 2 km
13	If 5 miles \approx 8 kilometres then 15 miles \approx 18 kilometres. Is this correct?	This is incorrect. Instead of understanding that 5 miles has been multiplied by 3 to make 15 miles, the assumption has been made that 10 miles have been added. This had led to the understanding that 10 should be added to both sides. The correct answer is 15 miles \approx 24 kilometres
14	Calculate the total distance they ran in: a. miles b. kilometres	Myron - 6 miles or 9.6km Aston - 2.5 miles or 4km Raihan - 5 miles or 8km Osama - 3 miles or 4.8km Huxley - 4 miles or 6.4km a. 20.5 miles b. 32.8km