Miles and Kilometres

1. Compare the distances below using <, > or ≈.

15 miles	☐	32km
16km	☐	20 miles
48km	☐	30 miles
45 miles	☐	64km

D

VF
HW/Ext

2. Convert the calculations below to find the answer.

A. 5 miles + 8km = ☐ miles

B. 15 miles + 32km = ☐ km

C. 24km + 25 miles = ☐ miles

D

VF
HW/Ext

3. Ashleigh is aiming to walk the 8km round trip to school for the next 3 weeks.

She says,

Ashleigh

At the end of the three weeks, I will have walked 15 miles.

Do you agree with Ashleigh? Explain why.

D

RPS
HW/Ext

© Classroom Secrets Limited 2020

Miles and Kilometres

4. Compare the distances below using <, > or ≈.

8 miles	☐	12.5km
0.8km	☐	0.5 miles
17.5 miles	☐	28.5km
2.5km	☐	1.5 miles

VF
HW/Ext

5. Convert the calculations below to find the answer.

A. 7 miles + 1.6km = ☐ miles

B. 0.5 miles + 1.2km = ☐ km

C. 6km + 3.5 miles = ☐ miles

VF
HW/Ext

6. Jonas is aiming to run 1.5 miles a day for 25 days.

He says,

Jonas

At the end of the 25 days, I will have run 50km.

Do you agree with Jonas? Explain why.

RPS
HW/Ext

© Classroom Secrets Limited 2020

Miles and Kilometres

7. Compare the distances below using <, > or ≈.

0.25 miles	☐	$\frac{1}{4}$ km
1.4km	☐	0.7 miles
55% of 70 miles	☐	64% of 95km
$27\frac{3}{4}$ miles	☐	$44\frac{2}{5}$ km

GD

VF
HW/Ext

8. Convert the calculations below to find the answer.

A. 5.1 miles + 6.08km = ☐ km

B. 4.8 miles + 7.04km = ☐ km

C. $13\frac{6}{10}$ km + $4\frac{3}{4}$ miles = ☐ miles

GD

VF
HW/Ext

9. Marie is aiming to trek around Mount Kilimanjaro and climb to the summit. The trip will take 19 days and she will be trekking 4.3 miles per day.

She says,

Marie

> After 10 days I will have completed 76km of my trek. On day 19 I will have completed 140.5km in total.

Do you agree with Marie? Explain why.

GD

RPS
HW/Ext

© Classroom Secrets Limited 2020

Homework/Extension
Miles and Kilometres

Developing

1. 15 miles < 32km; 16km < 20 miles; 48km ≈ 30 miles; 45 miles > 64km

2. A. 10 miles; B. 56km; C. 40 miles

3. No because three school weeks is 15 days and after this time Ashleigh will have walked 120km which is 75 miles.

Expected

4. 8 miles > 12.5km; 0.8km ≈ 0.5 miles; 17.5 miles < 28.5km; 2.5km ≈ 1.5 miles

5. A. 8 miles; B. 2km; C. 7.1 miles

6. Jonas is incorrect. If he runs 1.5 miles per day for 25 days he will have completed 60km.

Greater Depth

7. 0.25 miles > $\frac{1}{4}$ km; 1.4km > 0.7 miles; 55% of 70 miles > 64% of 95km; 27 $\frac{3}{4}$ miles ≈ 44 $\frac{2}{5}$ km

8. A. 14.24km; B. 14.72km; C. 12.91 miles

9. No because after 10 days of the trek Marie will have completed 68.8km of her trek not 76km because 4.3 ÷ 5 x 8 x 10 = 68.8. At the end of 19 days, Marie will have completed a trek of 130.72km and not 140.5km because 4.3 ÷ 5 x 8 x 19 = 130.72.

© Classroom Secrets Limited 2020