

# Kilograms and Kilometres

1. Match the equal distances.

$\frac{1}{4}$ km	half a km
5,000 m	8,000 m
8 km	250 m
500 m	5 km

VF

4. Is the following statement correct?

$$\frac{1}{2} \text{ of } 9,000 \text{ m} > 4,250 \text{ m} > 4\frac{1}{2} \text{ km}$$

Explain your answer.

R

2. Three children ran for an hour. The results of how far they ran are shown below.

Hamish	3,200 m
Debs	3,020 m
Mollie	$3\frac{1}{2}$ km

Order the distances in metres.

<input type="text"/>	<input type="text"/>	<input type="text"/>
Shortest		Furthest

VF

5. Sean has taken part in a charity park run.

He says,

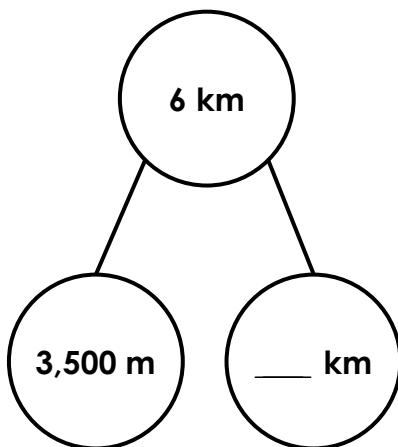


I ran  $\frac{1}{2}$  of a kilometre less than 5,750 metres. I think I ran  $5\frac{1}{2}$  kilometres.

Is he correct? Explain your answer.

R

3. Complete the part whole model.



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6. Circle three distances below that total more than 6 km but less than 7,500 m. Find three possibilities.

$2\frac{1}{2}$ km	2,000 m
1,500 m	
3 km	750 m

PS

## Kilograms and Kilometres

1.

$\frac{1}{4}$ km	half a km
5,000 m	8,000 m
8 km	250 m
500 m	5 km

2. 3,020 m; 3,200 m; 3,500 m

3.  $2\frac{1}{2}$  km or 2.5 km

4. The statement is incorrect. Half of 9,000 m is 4,500 m. This is equal to  $4\frac{1}{2}$  km. The correct statement is below.

$$\left(\frac{1}{2} \text{ of } 9,000 \text{ m}\right) > 4,250 \text{ m} < 4\frac{1}{2} \text{ m}$$

5. Sean is incorrect. Half a kilometre is equal to 500 metres.  $5,750 - 500 = 5,250$  metres. So Sean ran 5,250 metres. This is not equal to  $5\frac{1}{2}$  km (5,500 m).

6. Various answers, for example:

$$1,500 \text{ m} + 2,000 \text{ m} + 3 \text{ km} = 6,500 \text{ m} \text{ or } 6\frac{1}{2} \text{ km}$$

$$3 \text{ km} + 2\frac{1}{2} \text{ km} + 1,500 \text{ m} = 7,000 \text{ m} \text{ or } 7 \text{ km}$$

$$3 \text{ km} + 2\frac{1}{2} \text{ km} + 750 \text{ m} = 6,250 \text{ m}$$