

To be able to convert between metres and kilometres

**MathShed**

**Starter:**  
Which one doesn't belong?

Exit: 3 km

Next Exit  
3,000 m

Exit: 300 m

Explain your answer.

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**Activity 1:**  
Use the knowledge that the Greek word  $\chi\acute{\iota}\lambda\iota\omicron\iota$  (kilo) means 1,000 to help you complete the statements below:

$2 \text{ km} = \quad \text{m}$	$8 \text{ km} = \quad \text{m}$
$3,000 \text{ m} = \quad \text{km}$	$6 \text{ km} + 3 \text{ km} = \quad \text{m}$
$5 \text{ km} = \quad \text{m}$	$750 \text{ m} = \quad \text{km}$
$5,500 \text{ m} = \quad \text{km}$	$7,500 \text{ m} - 3,000 \text{ m} = \quad \text{km}$

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**Activity 2:**  
Complete the bar models below.

km	
700 m	2,300 m

5 km	
3,100 m	m

4 km	
m	3,620 m

km	
4,590 m	1,410 m

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**Activity 3:**  
Use the comparison symbols (<, > or =) to complete the following statements.

$1,000 \text{ m}$	<input type="text"/>	$1 \frac{1}{2} \text{ km}$
$4,000 \text{ m}$	<input type="text"/>	$3 \text{ km}$
$6 \text{ km}$	<input type="text"/>	$6,600 \text{ m}$
$250 \text{ m}$	<input type="text"/>	$\frac{1}{4} \text{ km}$

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**Activity 4:**  
Ruth and Jamal cycle 30 kilometres for a charity fundraiser.

Ruth cycles twice as many kilometres as Jamal.  
How far did Jamal cycle?

Ruth and Jamal raised £1 for every 250 m they cycled.  
How much money did they each raise for charity?

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**Activity 5:**  
Complete the table below so that each row and column has a total of 3 km.

m	—	$\frac{3}{4} \text{ km}$
$\frac{1}{2} \text{ km}$	m	1 km
1,100 m	—	m

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Evaluation:



If it is 5 km between a lavender field and my nest and I have flown  $1\frac{3}{4}$  km already, I only have another 3 km left to arrive home.

Do you agree?  
Explain your answer.