

Name : \_\_\_\_\_

## Metric Unit Conversion

Kilometer and meter: S1

A) Convert between kilometers (km) and meters (m).

1) 8 km = \_\_\_\_\_ m      2) 17,000 m = \_\_\_\_\_ km

3) 42,000 m = \_\_\_\_\_ km      4) 64 km = \_\_\_\_\_ m

5) 73 km = \_\_\_\_\_ m      6) 85,000 m = \_\_\_\_\_ km

B) Complete the unit conversion table.

kilometers	3		37		75	
meters		12,000		56,000		94,000

C) Compare using  $<$ ,  $>$ , or  $=$ .

1) 26,991 m  27 km      2) 48 km  47,789 m

3) 92 km  92,000 m      4) 75,886 m  76 km

5) 50,025 m  50 km      6) 7 km  7,000 m

7) 13 km  13,335 m      8) 65,260 m  65 km

D) The distance between Ryan's home and his office is 10 kilometers. Determine the home-to-office distance in meters.

\_\_\_\_\_

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## Answer key

Kilometer and meter: S1

### Metric Unit Conversion

A) Convert between kilometers (km) and meters (m).

1) 8 km = 8,000 m      2) 17,000 m = 17 km

3) 42,000 m = 42 km      4) 64 km = 64,000 m

5) 73 km = 73,000 m      6) 85,000 m = 85 km

B) Complete the unit conversion table.

kilometers	3	<b>12</b>	37	<b>56</b>	75	<b>94</b>
meters	<b>3,000</b>	12,000	<b>37,000</b>	56,000	<b>75,000</b>	94,000

C) Compare using  $<$ ,  $>$ , or  $=$ .

1) 26,991 m  27 km      2) 48 km  47,789 m

3) 92 km  92,000 m      4) 75,886 m  76 km

5) 50,025 m  50 km      6) 7 km  7,000 m

7) 13 km  13,335 m      8) 65,260 m  65 km

D) The distance between Ryan's home and his office is 10 kilometers. Determine the home-to-office distance in meters.

10,000 meters