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Class: Year 5

Date: \_\_\_\_\_

Subject: Math

Learning objective: I can convert between miles and kilometers.

Strauss Preparatory School

To convert from miles to kilometres, divide the number of miles by 5, then multiply by 8.

1. Use the conversion information above to convert these measurements from miles to kilometres. The first one has been done for you.

150 miles	$150 \div 5 = 30$ $30 \times 8 = 240$	240km
220 miles		
195 miles		
325 miles		

2. Convert these measurements from miles to kilometres. As the measurements are not multiples of 5, the calculations will include decimals.

132 miles	$132 \div 5 = 26.4$ $26.4 \times 8 = 211.2$	211.2km
198 miles		
231 miles		
179 miles		

To convert from kilometres to miles, divide the number of kilometres by 8, then multiply by 5.

3. Use the conversion information above to convert these measurements from kilometres to miles. The first one has been done for you.

184km	$184 \div 8 = 23$ $23 \times 5 = 115$	115 miles
216km		
192km		
320km		

4. Convert these measurements from kilometres to miles. As the measurements are not multiples of 8, the calculations will include decimals.

132km	$132 \div 8 = 16.5$ $16.5 \times 5 = 82.5$	82.5 miles
196km		
236km		
220km		

5. Order these measurements from shortest to longest:

a)

42km	30 miles	20 miles
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shortest longest

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b)

190km	100 miles	115 miles
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shortest longest

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6. A marathon race lasts approximately 26 miles. Lara says that this is more than 35km. Is she right? Show how you know.

7. Alain is on his holidays in England. His car records his journey in kilometres. He has been told it is 75 miles to go from the port to the first town he is visiting. If he travels at 50km per hour, will he complete his journey in less than 3 hours?