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Class: Year 5

Date: _____

Strauss Preparatory School

Subject: Math

Learning objective: I can convert between miles and kilometers.

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 |
| shortest | | longest |
| | | |

b)

| | | |
|----------|-----------|-----------|
| 190km | 100 miles | 115 miles |
| shortest | | longest |
| | | |

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?