

Term 5 Week 2 **Answers**

Session 2: Identifying the place value of and writing decimal equivalents of decimal numbers

Can you explain it?



Colin thinks that the decimal equivalent of twenty-seven thousandths is 0.0027

Explain why he is incorrect:

.....
.....

Colin has misunderstood the value of thousandths. I know this because ten thousandths is equivalent to one hundredth. This means that twenty-seven thousandths is equivalent to two hundredths and seven thousandths. Therefore, the decimal equivalent of twenty-seven thousandths is 0.027.

.....
.....

Can you apply it?



Always/ sometimes/ never true?

The decimal equivalent of any number of thousandths will include three zeroes.

This is sometimes true. I have noticed that if the number of thousandths is nine or less then the number will have three zeros.

For example, seven thousandths is equivalent to 0.007 which has three zeros.

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However, if the number of thousandths is more than 9 then the number will not have three zeros.

For example, fourteen thousandths is equivalent to 0.014 which does not have three zeros.