Year 5 Maths Home Learning Resources

Term 5 Week 1 Answers

Session 5: Rounding 5/6-digit numbers to the nearest 10,000/100,000

Guided Reasoning: can you explain it?

Colin thinks that 40,500 rounded to the nearest 10,000 is 50,000.

Explain why he is incorrect:

……

Colin is incorrect because he looked at the digit in the wrong place value column. He should have considered the digit in the thousands place value which is a zero. This means that it is closest to the multiple of ten thousand before so should have rounded down to 40,000.

……

Problem Solving: can you apply it?

Find the missing digits.
Make the statements true.

2□,□□□
rounded to the nearest 10,000
is 30,000

□□,□□□
rounded to the nearest 10,000
is 100,000

One possible solution
27,521 rounded to the nearest 10,000 is 30,000
98,634 rounded to the nearest 10,000 is 100,000

There are multiple different solutions to this problem.
How many did you find?

Always/Sometimes/Never True

A 6-digit number rounded to the nearest 100 000 is a 6-digit number.

This is sometimes true. In some cases the number rounds to a 6-digit number but when there is a 9 in the hundred thousand column and you round up then you will get a 7-digit number.
For example, 983,281 rounded to the nearest 100,000 is 1,000,000.