

# Maths Answers

**Maths Answers** for the worksheets completed this week. Here are the answers for the reason and problem solving challenges from each day.

Wednesday's maths:

## Count in 1,000s

### Reasoning and Problem Solving

#### Always, Sometimes, Never

- When counting in hundreds, the ones digit changes.
- The thousands column changes every time you count in thousands.
- To count in thousands, we use 4-digit numbers.

Never, when counting in hundreds, the ones digit always stays the same.

Always, the thousands column changes every time you count in thousands.

Sometimes, to count in thousands, we use 4-digit numbers.

Rosie says,



If I count in thousands from zero, I will always have an even answer.

True or false?  
Explain how you know.

True, because they all end in zero, which are multiples of 10 and multiples of 10 are even.

Thursday's maths:

## 1,000s, 100s, 10s and 1s

### Reasoning and Problem Solving

Create four 4-digit numbers to fit the following rules:

- The tens digit is 3
- The hundreds digit is two more than the ones digit
- The four digits have a total of 12

Possible answers:

3,432  
5,331  
1,533  
7,230

Use the clues to find the missing digits.



The thousands and tens digit multiply together to make 36

The hundreds and tens digit have a digit total of 9



The ones digit is double the thousands digit.

The whole number has a digit total of 21

4,098

Partitioning

Reasoning and Problem Solving

<p>Which is the odd one out?</p> <p>3,500                      3,500 ones</p> <p>2 thousands                      35 tens and 15 hundreds</p> <p>Explain how you know.</p>	<p>35 tens is the odd one out because it does not make 3,500, it makes 350</p>	<p>Some place value counters are hidden.</p> <p>The total is six thousand, four hundred and thirty two.</p> <p>Which place value counters could be hidden?</p> <p>Think of at least three solutions.</p> <div></div>	<p>Possible answers:</p> <p>One 1,000 counter and one 100 counter.</p> <p>Ten 100 counters and ten 10 counters.</p> <p>Eleven 100 counters.</p>
<p>Jack says:</p> <div><p>My number has five thousands, three hundreds and 64 ones.</p></div> <div><p>My number has fifty three hundreds, 6 tens and 4 ones.</p><p>Amir says:</p><div></div></div> <p>Who has the largest number? Explain.</p>	<p>They both have the same number because 53 hundreds is equal to 5 thousands and 3 hundreds. Jack and Amir both have 5,364</p>		