

1) Dennis is incorrect. $\frac{1000}{1000}$ has a value of 1. Therefore, $\frac{3401}{1000}$ has 1 whole, 4 tenths, 0 hundredths and 1 thousandth. $\frac{3401}{1000}$ as a decimal is 3.401.

2) The errors are:

- a) $\frac{234}{1000}$ this should be $\frac{2304}{1000}$
- f) 2.340 this should be 2.304







2) Here is a table showing the same decimal number in different ways. There are 2 mistakes in the table. Identify them and work out the correct answer.



1)	Here are 4 shapes and their values.
	 b) Using at least one of each shape and 9 shapes in total, what is largest number you can make? Show in shapes, as a decimal and as a mixed number.
2)	Shaughna saus. "Mu number is greater than 1 but less than 2. I bays at least one of each shane. I bays used 8
2)	shaughna says, My number is greater than 1 but less than 2. I have at least one of each shape. I have used 8 shapes in total. The hundredths digit is half of the thousandths digit." $O = 1 \qquad A = \frac{1}{10} \qquad B = \frac{1}{100} \qquad B = \frac{1}{1000}$ What could her number be? Find all possible solutions and record with shapes and as a decimal number. You may need to use extra paper to record your answer.
3)	Callum and Luke are comparing numbers. Looking at the digits, Callum says his number has 3 more trapeziums, 2 less squares and 1 more triangle than Luke. Both numbers have 9 shapes each. What could their numbers be? Find 3 possible pairs of numbers recorded as decimals and shapes. You may need to use extra paper to record your answer.



Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

• Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.







Diving

Write these decimal numbers as mixed numbers:



Deeper

Do you agree? Explain your thinking.



Deeper



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Dive in by completing your own activity!









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- a) Using at least one of each shape and 9 shapes in total, what is smallest number you can make? Show in shapes, as a decimal and as a mixed number.
- **b)** Using at least one of each shape and 9 shapes in total, what is largest number you can make? Show in shapes, as a decimal and as a mixed number.
- 2) Shaughna says, "My number is greater than 1 but less than 2. I have at least one of each shape. I have used 8 shapes in total. The hundredths digit is half of the thousandths digit."



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Both numbers have 9 shapes each.

What could their numbers be?

Find 3 possible pairs of numbers recorded as decimals and shapes.

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