

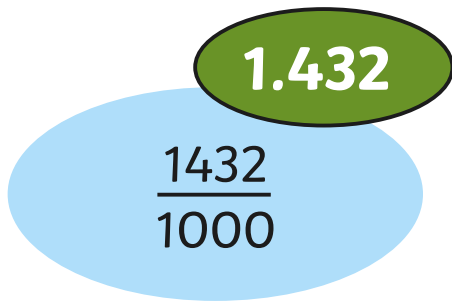
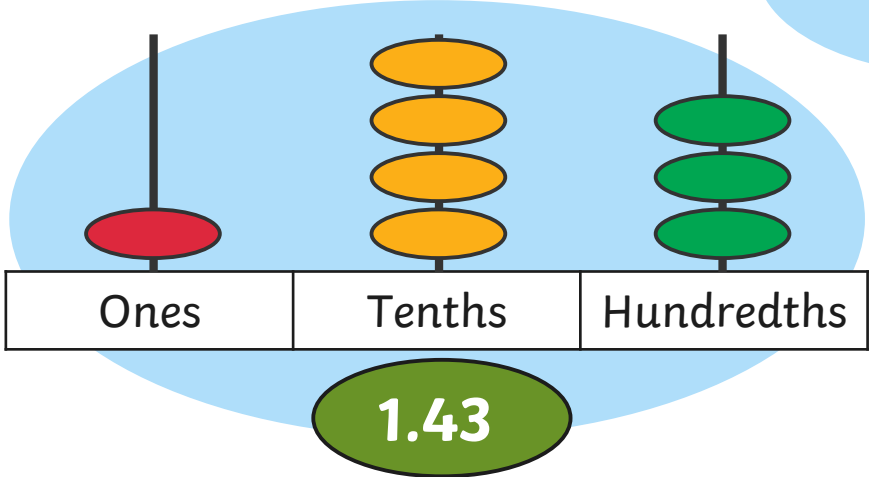
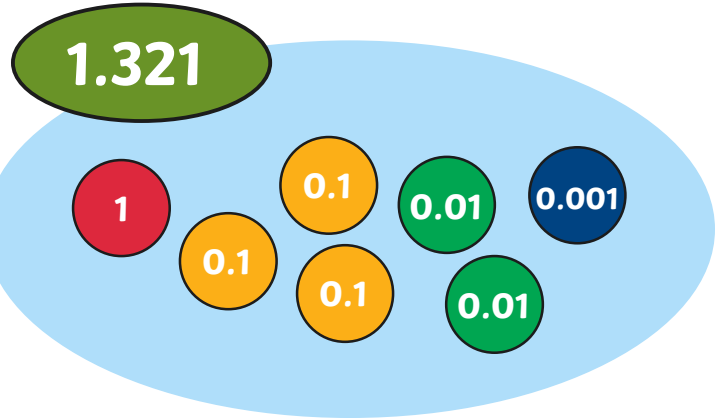
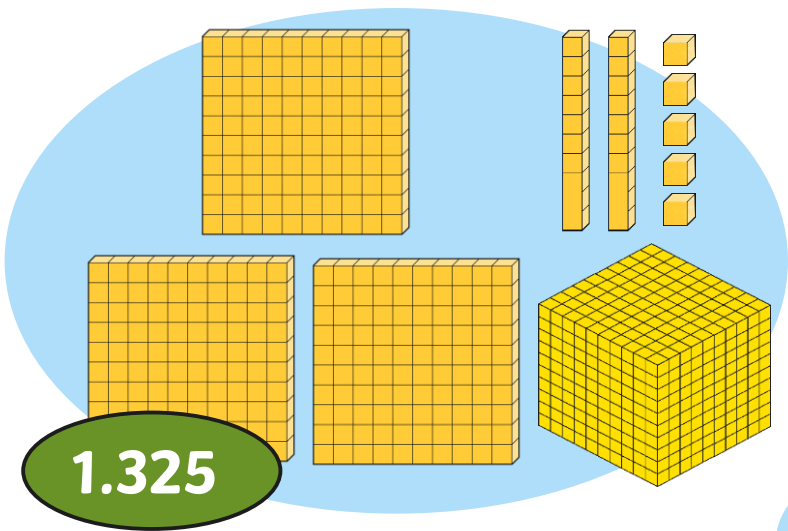
Aim

Read, write, order and compare numbers with up to three decimal places.



Order and Compare Decimals

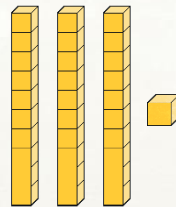
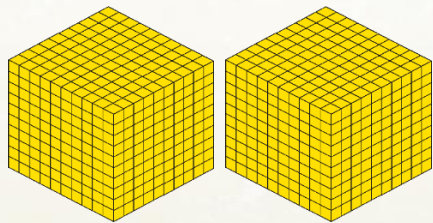
Diving



1.432, 1.43, 1.405, 1.325, 1.321

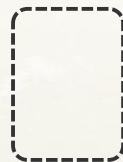


Complete these statements by using the correct symbol: $<$, $>$ or $=$.



$$2 + 0.3 + 0.001$$

0.364



$$\frac{304}{1000}$$

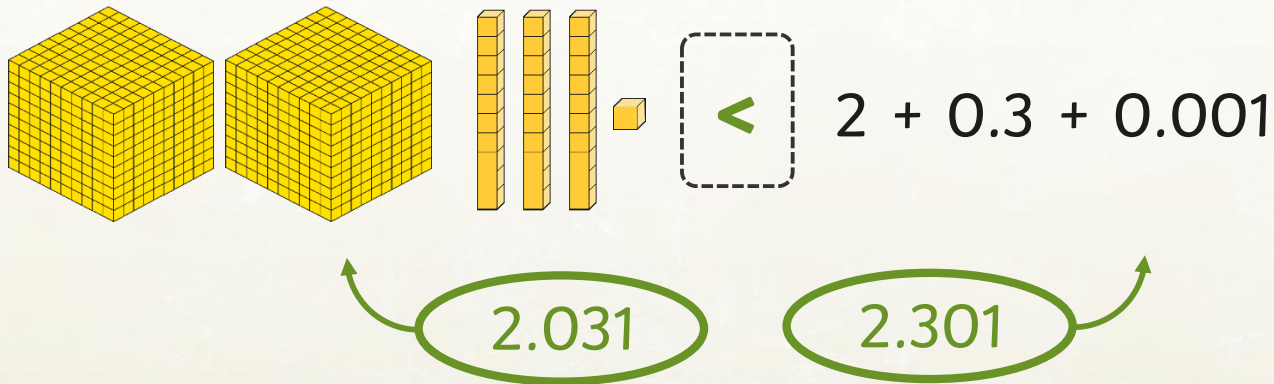
3.2



$$\frac{3123}{1000}$$



Complete these statements by using the correct symbol: $<$, $>$ or $=$.



$$0.364 > \frac{304}{1000}$$

$$3.2 > \frac{3123}{1000}$$

Order and Compare Decimals

Diving



These decimals have been ordered smallest to largest. Look carefully at the different representations.

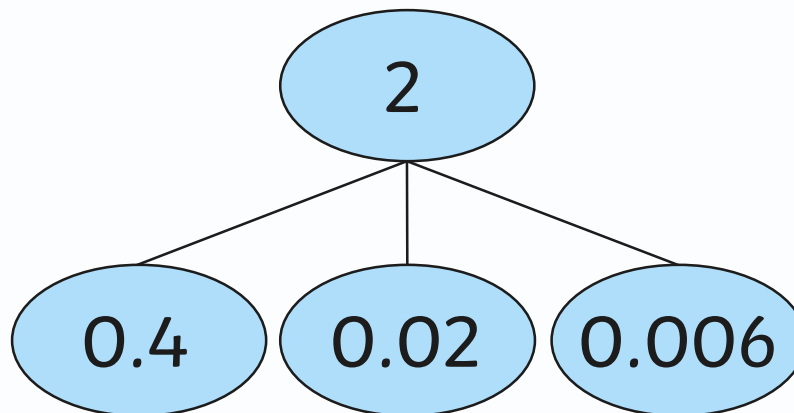
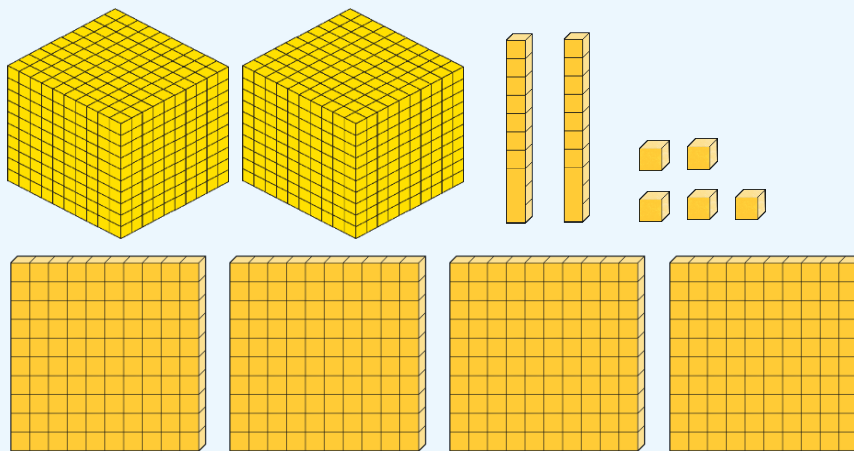
Visual Representation	Number
<p>Ones Tenths Hundredths Thousandths</p>	1.199
	2.423
	2.424



These decimals have been ordered smallest to largest. Write a decimal number to 3 decimal places for each representation.

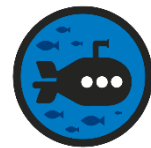
Visual Representation

Number





Visual Representation	Number
	<p>2.425</p>
<pre> graph TD A(2) --- B(0.4) A --- C(0.02) A --- D(0.006) </pre>	<p>2.426</p>



Sharon says 1.295 is greater than 1.35 because it has more digits.

Sharon is incorrect.
Explain why.





Sharon says 1.295 is greater than 1.35 because it has more digits.

Sharon is incorrect.
Explain why.

Sharon is not thinking about the value of the digits. 1.35 has three tenths, whereas 1.295 only has 2 tenths, therefore 1.35 is greater than 1.295.





Using each digit card only once, find 5 possible solutions that complete this statement.

2

3

3

4

4

$$2.\square\square5 < 2.\square\square\square$$



Using each digit card only once, find 5 possible solutions that complete this statement.



$$2.\square\square 5 < 2.\square\square\square$$

Possible solutions:

$$2.235 < 2.344$$

$$2.245 < 2.433$$

$$2.245 < 2.334$$

$$2.335 < 2.424$$

$$2.425 < 2.433$$

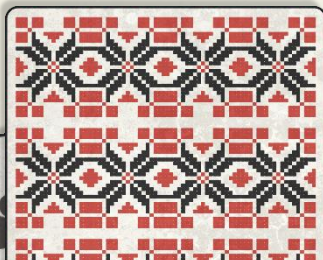


These decimal numbers are in ascending order.

What could the decimals be?

1. 1, 1.0 , 1. 4 , 1.1 8, 1. 6

There are many other possible answers.



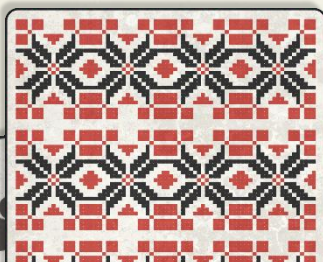


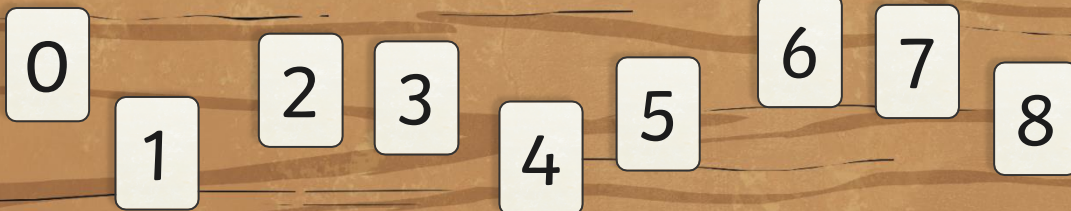
These decimal numbers are in ascending order.

What could the decimals be?

1. 0 3 1, 1.0 3 6, 1. 0 4 2, 1.1 5 8, 1. 4 6 5

There are many other possible answers.

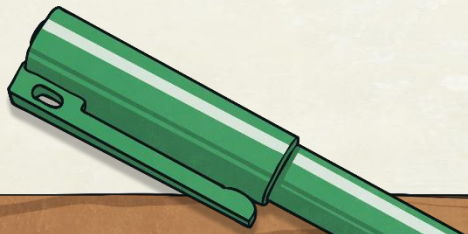




These numbers are in ascending order. Complete the decimals using the digits 0-8, using each only once.

1. 1, 1.0 , 1. 2 , 1.1 8, 1. 6

There are many other possible answers.

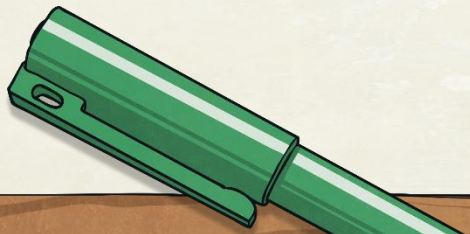




These numbers are in ascending order. Complete the decimals using the digits 0-8, using each only once.

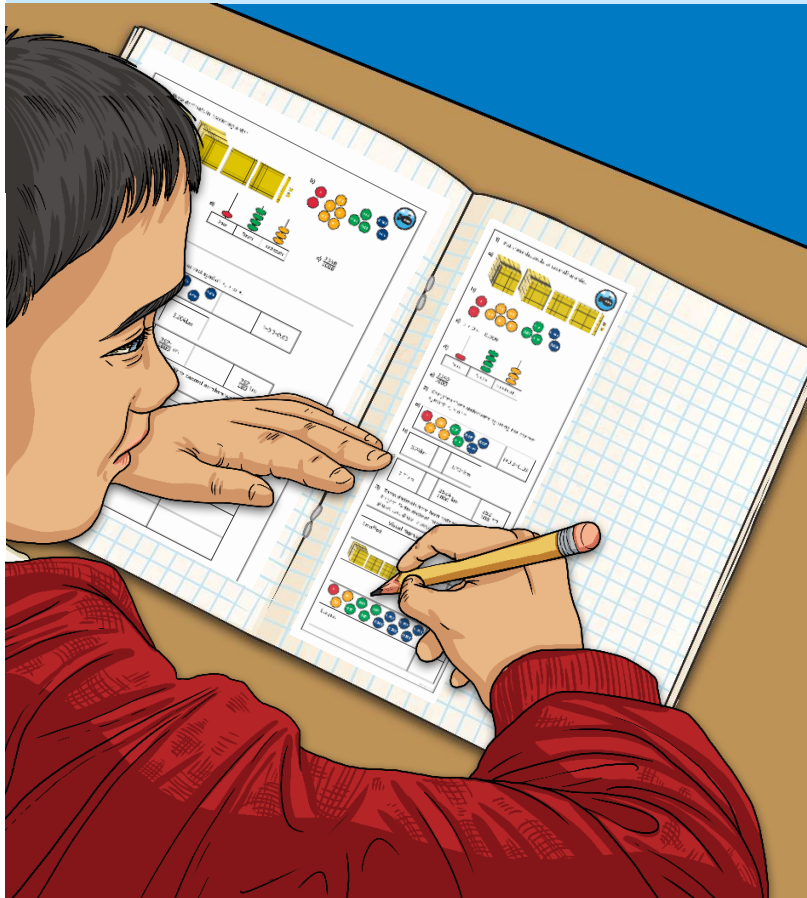
1. 1, 1.0 , 1. , 1.1 8, 1.

There are many other possible answers.



Order and Compare Decimals

Dive in by completing your own activity!



1) Put these decimals in ascending order.

a)

b)

c) $2 + 0.4 + 0.009$

d)

e) $\frac{2540}{1000}$

2) Complete these statements by using the correct symbol: <, > or =.

a) $3 + 0.3 + 0.03$

b) 3.24 km 3.700 km

c) 2.5 km $\frac{2524}{1000}$ km $\frac{252}{100}$ km

3) These decimals have been ordered smallest to largest. Write decimal numbers with up to 3 decimal places and draw representations to fill the gaps.

Visual Representation	Number
Smallest	1.199
Largest	

1) Ian says that 1.2 is less than 1.20. Is he right? Explain.

2) Draw a number line to show the order of 1.2 and 1.20. Write the numbers between 1.2 and 1.20.

Place this number on the number line: 1.200

1) Using the number line, write the numbers in order from smallest to largest.

2) These decimals have been ordered smallest to largest. Write decimal numbers with up to 3 decimal places and draw representations to fill the gaps.

a) 0.1 0.10

b) Now write the numbers in order from largest to smallest.



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