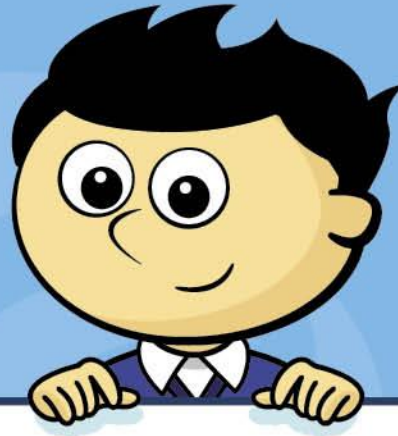


# PLACE VALUE – INTEGERS AND DECIMALS



# Get ready

Here is your starter.

1) Tens are 10 times the size of \_\_\_\_\_

Ones are 10 times the size of \_\_\_\_\_

2) Tenths are one-tenth the size of \_\_\_\_\_

Hundredths are one-tenth the size of \_\_\_\_\_

3) 1 is \_\_\_\_\_ the size of 100

4)  $0.356 = 0.3 + \text{_____} + 0.006$

1) Tens are 10 times the size of ones

Ones are 10 times the size of tenths

2) Tenths are one-tenth the size of ones

Hundredths are one-tenth the size of tenths


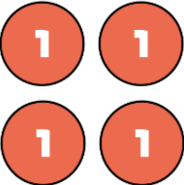
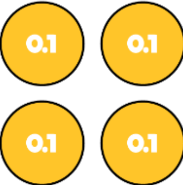
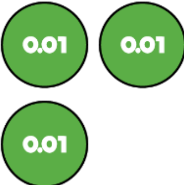

3) 1 is one-hundredth the size of 100

4)  $0.356 = 0.3 + \underline{0.05} + 0.006$




# Let's learn

Get ready for today's  
new learning.

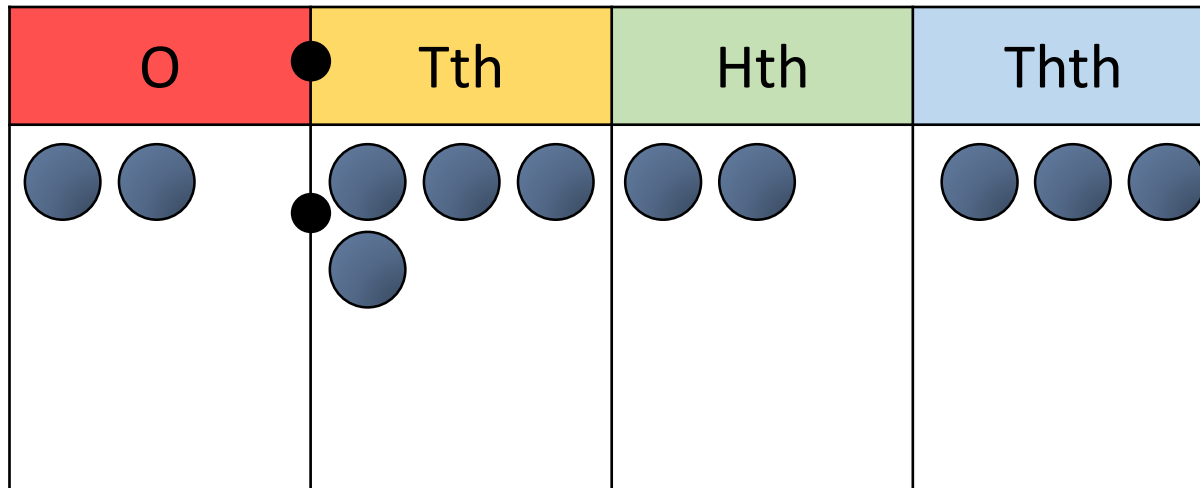
T	O	Tth	Hth	Thth
				

There are 2 tens, 4 ones, 4 tenths, 3 hundredths and 1 thousandth.


The number is 24.431

Have a think 

Use a place value chart and plain counters to represent 2.423



There are  ones,  tenths,  hundredths  
and  thousandths.

Have a think 

Write the value of the digit 4 in each number.

1.04

43.027

0.274

Have a think





T	O	Tth	Hth	Thth
Write the value of the digit 4 in each number.				

1.04  
4 hundredths

43.027  
4 tens

0.274  
4 thousandths

Match each number to the correct child.

1.04

43.027

0.274



Alex

My number has zero tenths.



Whitney

My number has seven hundredths.



Dexter

My number has seven thousandths.

Have a think



T	O	tth	hth	thth
1.04	43.027		0.274	



Alex

My number has zero tenths.



Whitney

My number has seven hundredths.



Dexter

My number has seven thousandths.

Match each number to the correct child.

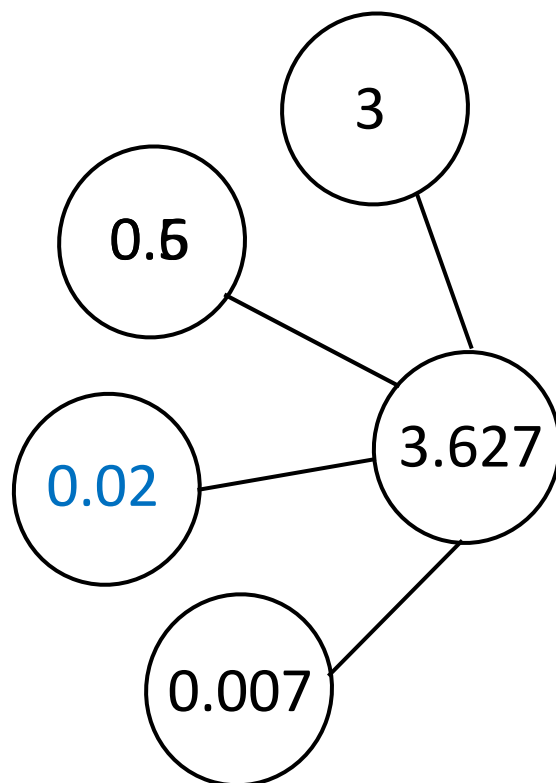


# Your turn

Have a go at questions 1 - 3 on  
the worksheet



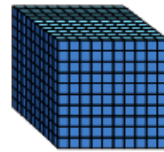
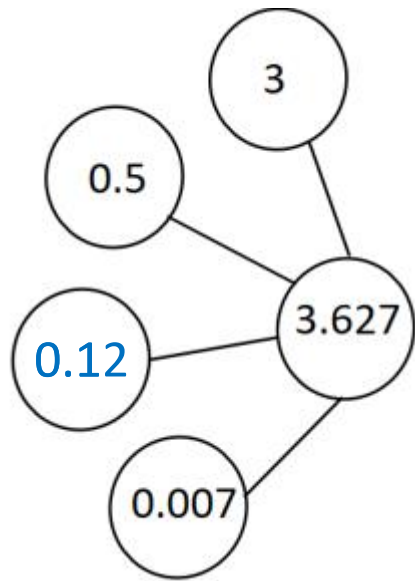
Complete the part-whole model.



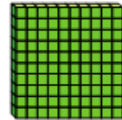
$$3 + 0.6 + \underline{0.02} + 0.007$$

Have a think





represents 1 whole



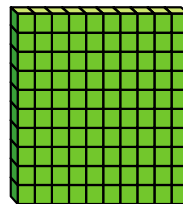
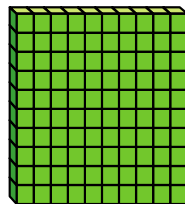
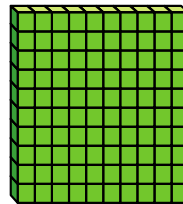
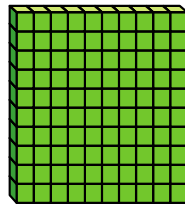
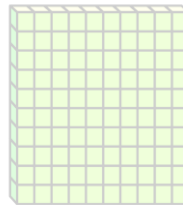
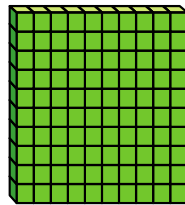
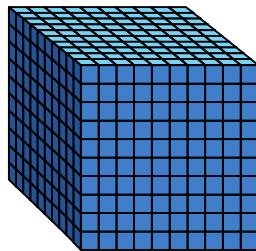
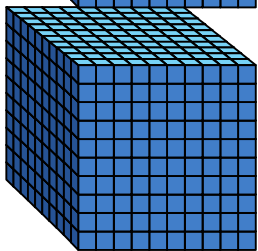
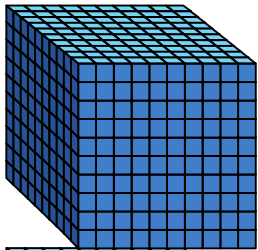
represents 0.1

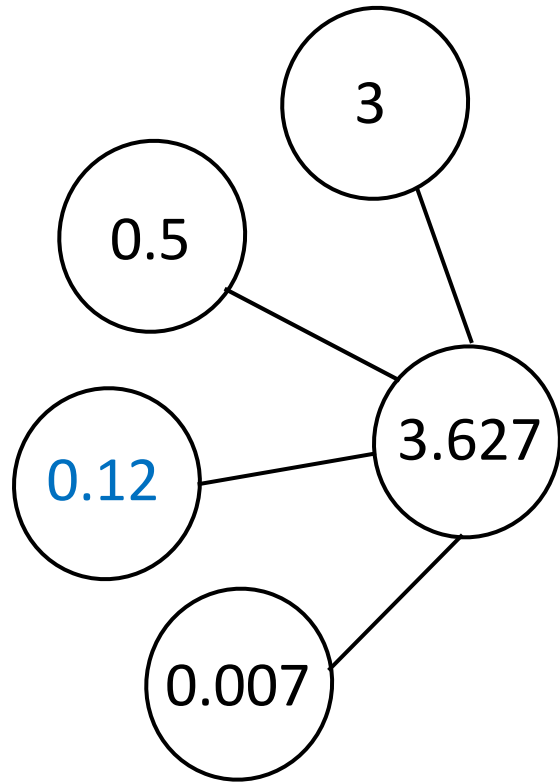


represents 0.01



represents 0.001

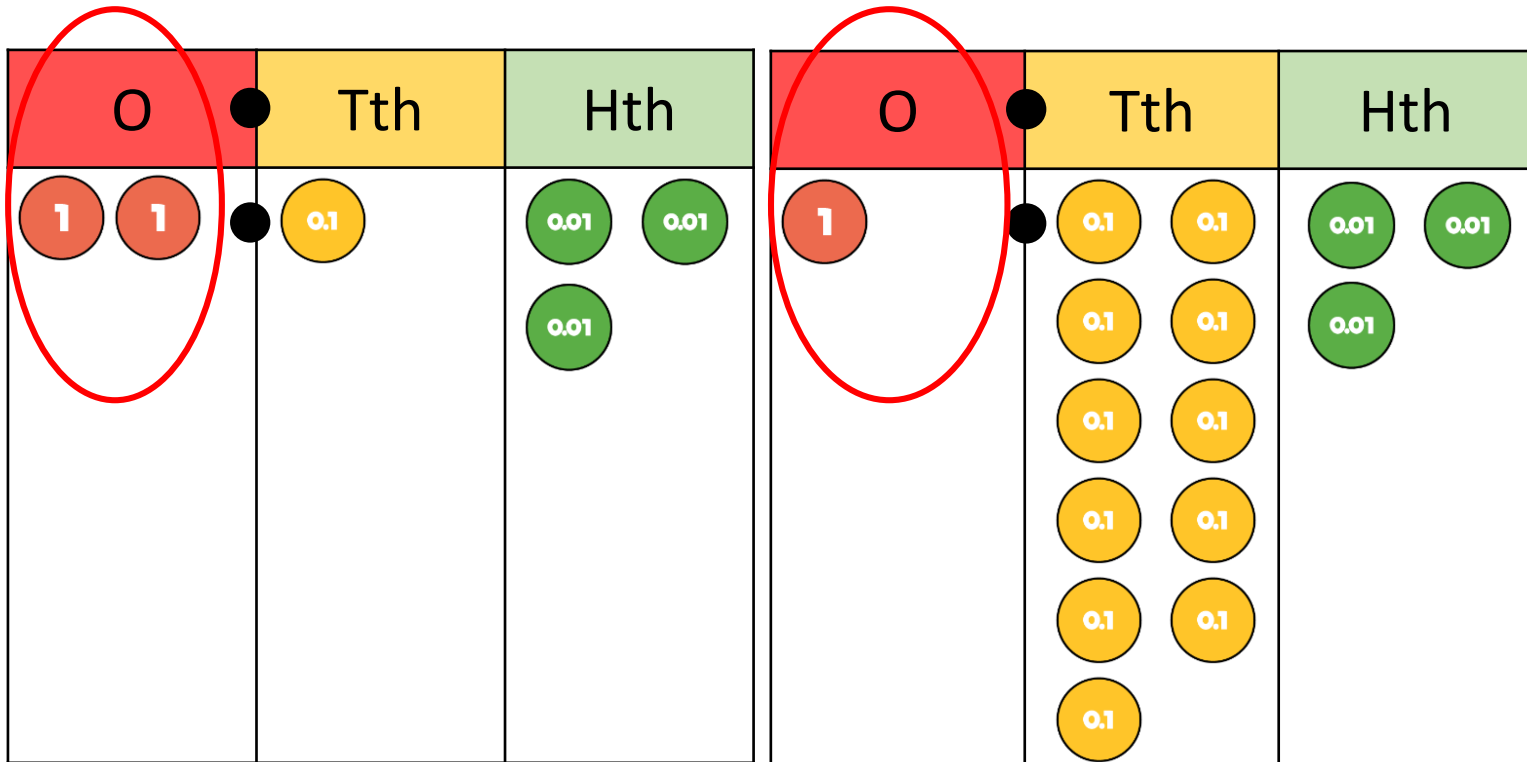




$$3 + 0.6 + \underline{0.02} + 0.007 = 3.627$$

$$3 + 0.5 + \underline{0.12} + 0.007 = 3.627$$

$$3 + 0.4 + \underline{0.22} + 0.007 = 3.627$$

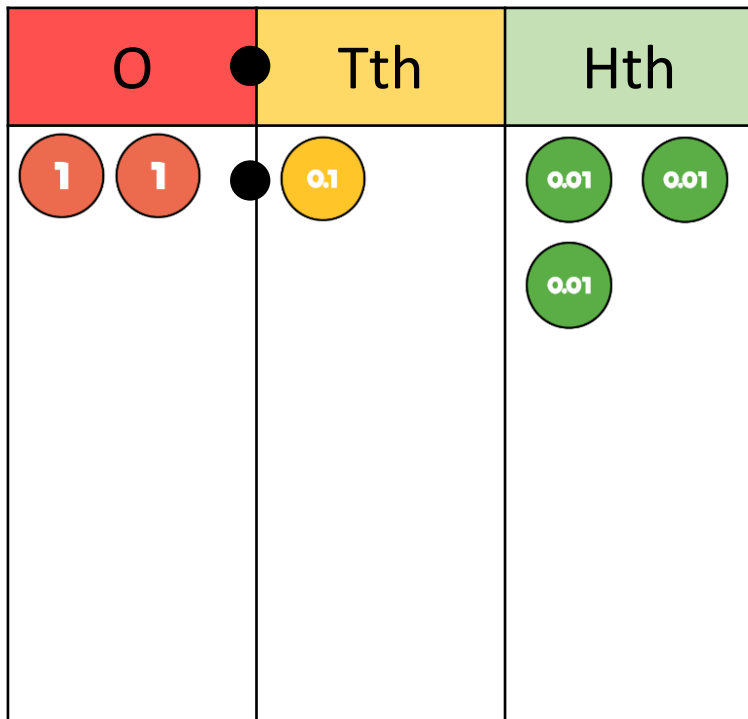


The place value chart on the left represents the greater number.

Have a think

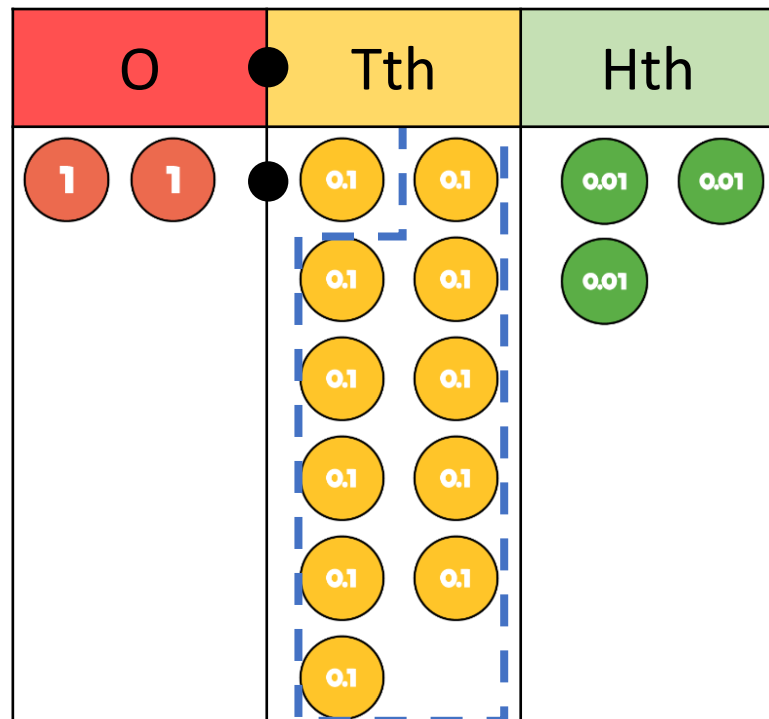






2 ones, 1 tenth and 3 hundredths

2.13



1 one, 11 tenths and 3 hundredths

2.133

Which is the odd one out?

$$2 + 0.1 + 0.02 + 0.003$$

2.123

$$1 + 1.1 + 0.02 + 0.003$$

2.123

$$2 + 1.1 + 0.03$$

3.13

$$2 + 0.1 + 0.01 + 0.013$$

2.123

$$2 + 0.1 + 0.023$$

2.123

Explain your answer.

Have a think





# Your turn

Have a go at the rest of the questions on the worksheet

