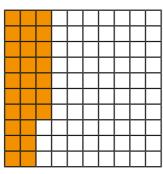
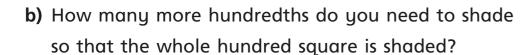
## Make a whole



Here is a hundred square.



a) How many hundredths are shaded?

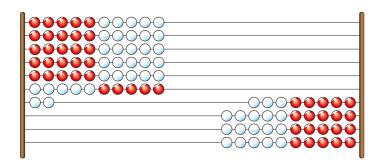


c) Complete the sentence.

hundredths +		hundredths = 1 whol
	1	

Here is a Rekenrek with 100 beads.

Each bead is one hundredth of the whole.



Complete the sentences.

- hundredths are on the left.
- b) hundredths are on the right.
- c) | + | = 1

Fill in the missing digits.



**d)** 32 hundredths =

**b)** 
$$\frac{2}{10} = \frac{100}{100}$$

e) 0.4 = tenths

Dora has shaded 4 tenths of a hundred square.



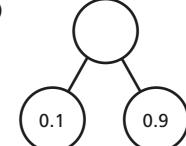
I need to shade 96 more squares to fully shade it.

Do you agree with Dora? \_\_\_\_\_

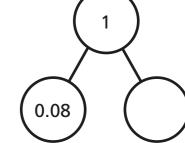
Explain your reasoning.

5 Complete the part-whole models.

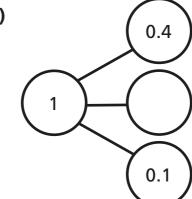
a)



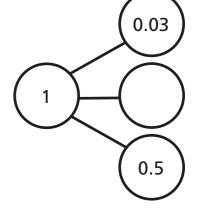
c)



b)



d)





0.	4 -	+ 0	.6

0.4 + 0.06

0.04 + 0.06

Γ

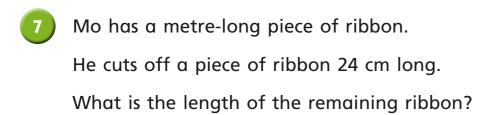
$$0.8 + 0.92$$

0.08 + 0.92

0.92 + 0.08

Г

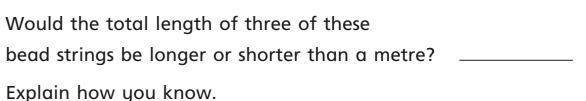
How did you work this out?



The length of the remaining ribbon is m.

8 Fill in the missing numbers.









8 10

0.4

Use the number cards to make each calculation correct.

You can use each number once only.

How many other ways can you find to make a total of 1?







## Write decimals



Make the number represented on each of the place value charts.

Complete the sentences to describe each number.



a)	Ones	Tenths	Hundredths	There are ones,
	111	0.1 0.1	0.01 0.01	tenths and
			0.01 (0.01)	hundredths.
	The number	is		

b)	Ones	Tenths	Hundredths	There are one
		0.1 0.1 0.1	0.01 0.01	tenths and
				hundredths.
	The number	ris		

c)	Ones	Tenths	Hundredths	There are ones,
			0.01 0.01 0.01	tenths and
			0.01 0.01 0.01	hundredths.
	The number	is		

d)	Ones	Tenths	Hundredths	There are ones
		0.1 0.1 0.1		tenths and
				hundredths.
,	The number	is		





Write the value of the underlined digit.

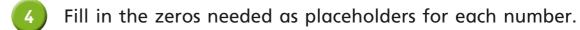
<b>a)</b> 6. <u>3</u> 1		
<b>b)</b> 1 <u>2</u> .09		

3 Alex says the number on the place value chart is 3.4

Ones	Tenths	Hundredths

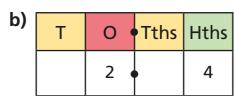
Do you agree with Alex? \_\_\_\_\_

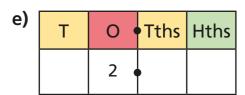
Explain your answer.

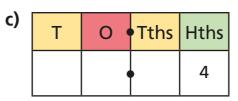


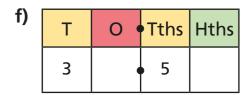
a)	Т	0	Tths	Hths
	3	2		4

d)	Т	0	Tths	Hths
			5	









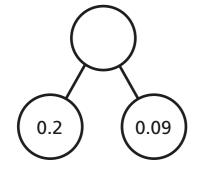
Compare answers with a partner.



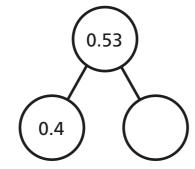


Complete the part-whole models.

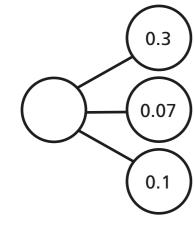
a)



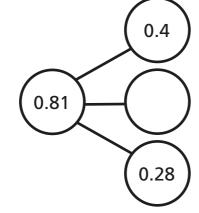
c)



b)

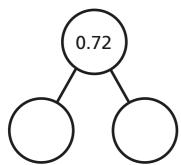


d)



Here is a part-whole model.

Partition 0.72 in three different ways and complete the number sentences.





Here is her answer.

Ones	Tenths	Hundredths

Is Eva correct?



Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.

0.06

0.4

0.2

0.05

0.03

Use the clues to work out which number they each have.

My number has 5 hundredths.

My number is twice as much as Dora's.



My number has 2 zero place holders.

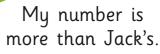


Rosie



Jack

My number is



less than Jack's.



Dora

Whitney

Annie

Dora

Whitney

Rosie



Jack



Did your partner use the same method?



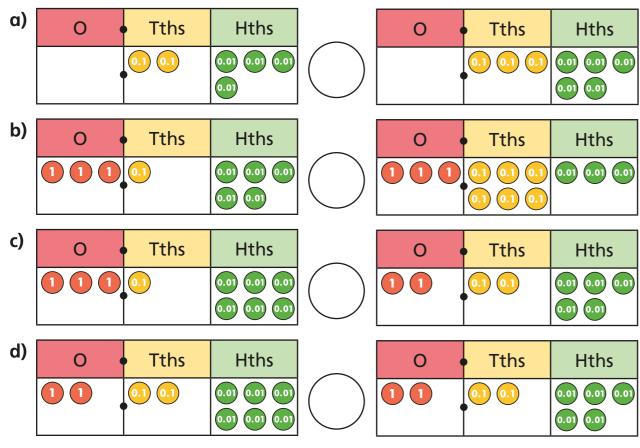




## Compare decimals



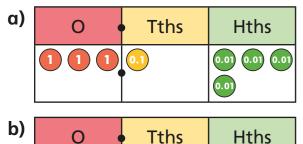


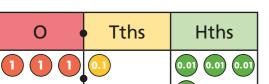


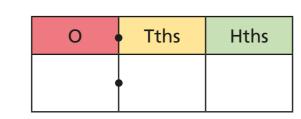
Did you have to compare all the columns for every question?

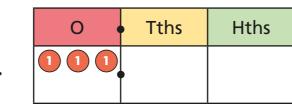


Draw counters to make the statements correct.

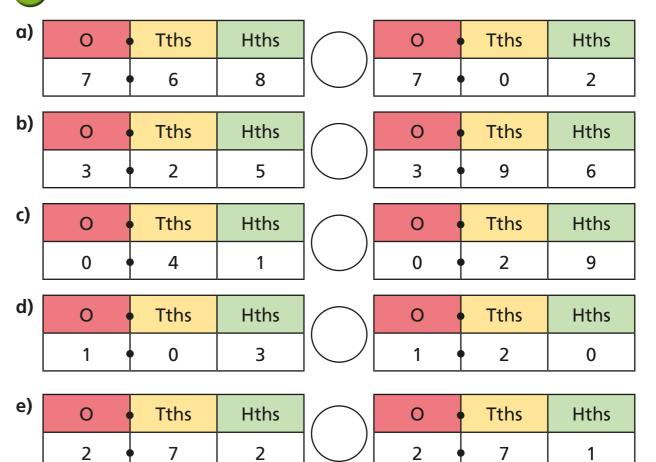








Write < or > to compare the decimals.



Complete the place value charts to make the statements correct.

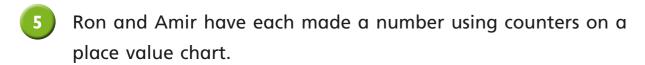
a)	0	Tths	Hths	0	Tths	Hths
	6	2	8			

b)	0	Tths	Hths	0	Tths	Hths
	3	2	6	3	•	

c)	0	Tths	Hths	0	Tths	Hths
	9	9	8			

d)	0	Tths	Hths	0	Tths	Hths
	1	4	6		8	

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Ron's looks like this:

Ones	Tenths	Hundredths

Amir's looks like this:

Ones	Tenths	Hundredths

My number is greater than Amir's, because I have used twice as many counters.



Do you agree with Ron? \_\_\_\_\_

Explain your reasoning.

- Draw exactly 8 counters in each chart to represent a number that matches each statement.
  - a) a number less than 0.76

Ones	Tenths	Hundredths

b) a number more than 5.74

Ones	Tenths	Hundredths	

c) a number between 5.13 and 5.29

Ones	Tenths	Hundredths

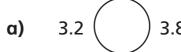
How many different answers are there for each statement?

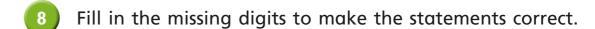




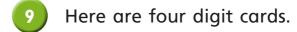








Is there more than one answer for each?









Use each digit card once to make this statement correct.



How many possible answers are there?







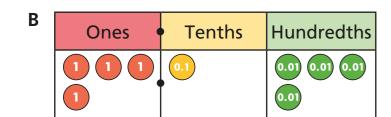
## **Order decimals**



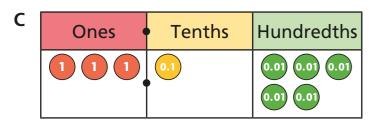
- Here are four numbers on place value charts.
  - a) What number is represented in each place value chart?

Α	Ones	Tenths	Hundredths
		0.1	0.01 0.01 0.01

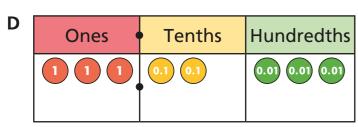










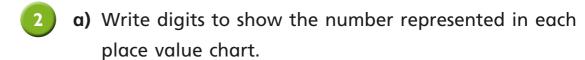


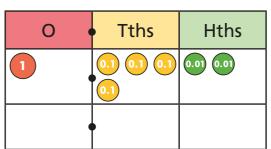


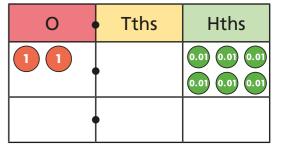
**b)** Write the numbers in ascending order.

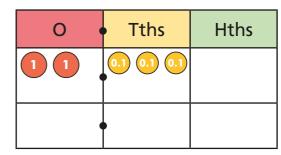


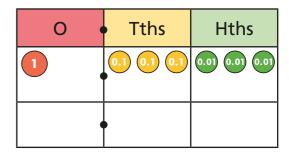
greatest











- **b)** Write the numbers in ascending order.
- Write the numbers in descending order.

1.42

4.12

1.24

2.41

Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

0.64 12.7 2.83

Do you agree with Teddy? \_\_\_\_\_

Talk about it with a partner.



Annie and Dexter are comparing the decimals 4.12 and 4.8



4.12 is greater than 4.8, because 12 is bigger than 8



Annie

4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Dexter

Who do you agree with? \_\_\_\_\_

Explain your answer.

6 Write < or > to complete the statements.

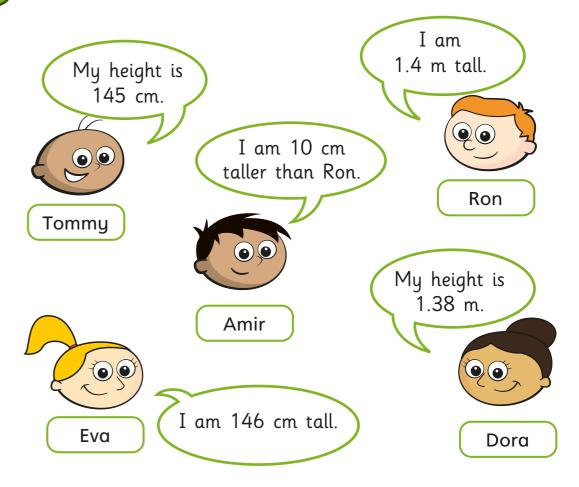
Decide whether the numbers are ascending or descending in each part.

- a) 3.2 ( ) 3.8 ( ) 3.9
- o) 0.41 ( ) 0.38 ( ) 0.25
- c) 4.2 ( ) 4.17 ( ) 4.085



- **a)** 2.38 0.97 1.45 1.81
- **b)** 0.64 0.7 0.09 0.46
- **c)** 12.3 2 7.83 0.99

8 Tommy, Ron, Amir, Dora and Eva have measured their heights.



Write the children's names in order from shortest to tallest.

9 Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

 ascending order
 \_.4\_
 \_.41
 7.\_\_9
 \_.41

 descending order
 \_.41
 7.\_\_9
 \_.41
 \_.4\_

Compare answers with a partner.

Is there more than one way to complete each list?





