Write decimals

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

Complete the sentences to describe each number.

a)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

There are 3 ones, 2 tenths and 5 hundredths.

The number is 3.25

b)

Ones	Tenths	Hundredths
	0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

There are 0 ones, 5 tenths and 5 hundredths.

The number is 0.55

c)

Ones	Tenths	Hundredths
1 1 1		0.01 0.01 0.01 0.01 0.01 0.01 0.01

There are 3 ones, 0 tenths and 7 hundredths.

The number is 3.07

d)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1	

There are 3 ones, 7 tenths and 0 hundredths.

The number is 3.7

2 Make each number on a place value chart.

Write the value of the underlined digit.

a) 6.3̲1 3 tenths (0.3)

b) 1̲2.09 2 ones (2)

c) 0.07̲ 7 hundredths (0.07)

d) 5̲6.82 5 tens (50)

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

Ones	Tenths	Hundredths
● ● ●		● ● ● ●

Do you agree with Alex? No

Explain your answer.

4 Fill in the zeros needed as placeholders for each number.

a)

T	O	Tths	Hths
3	2	0	4

b)

T	O	Tths	Hths
	2	0	4

c)

T	O	Tths	Hths
	0	0	4

d)

T	O	Tths	Hths
	0	5	

e)

T	O	Tths	Hths
	2		

f)

T	O	Tths	Hths
3	0	5	

Compare answers with a partner.

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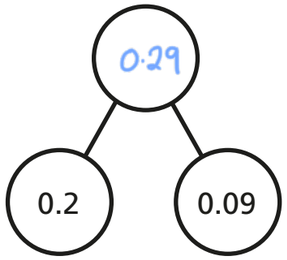
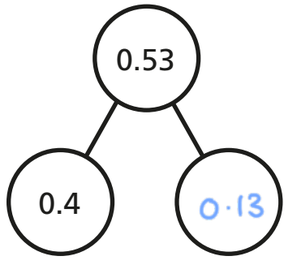
5 Complete the part-whole models.

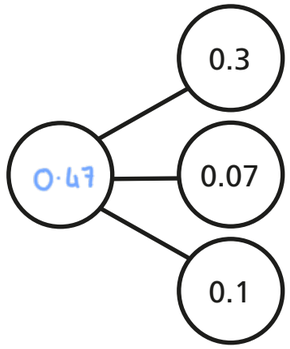
a)



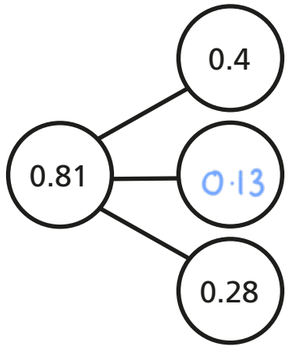
c)



b)

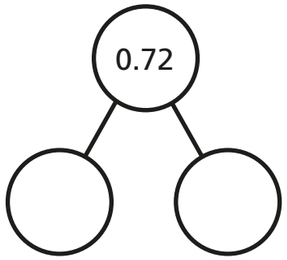


d)



6 Here is a part-whole model.

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

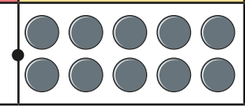


e.g

0.7	+	0.02	= 0.72
0.6	+	0.12	= 0.72
0.5	+	0.22	= 0.72

7 Eva is asked to show 10 tenths on a place value chart.

Here is her answer.

Ones	Tenths	Hundredths
		

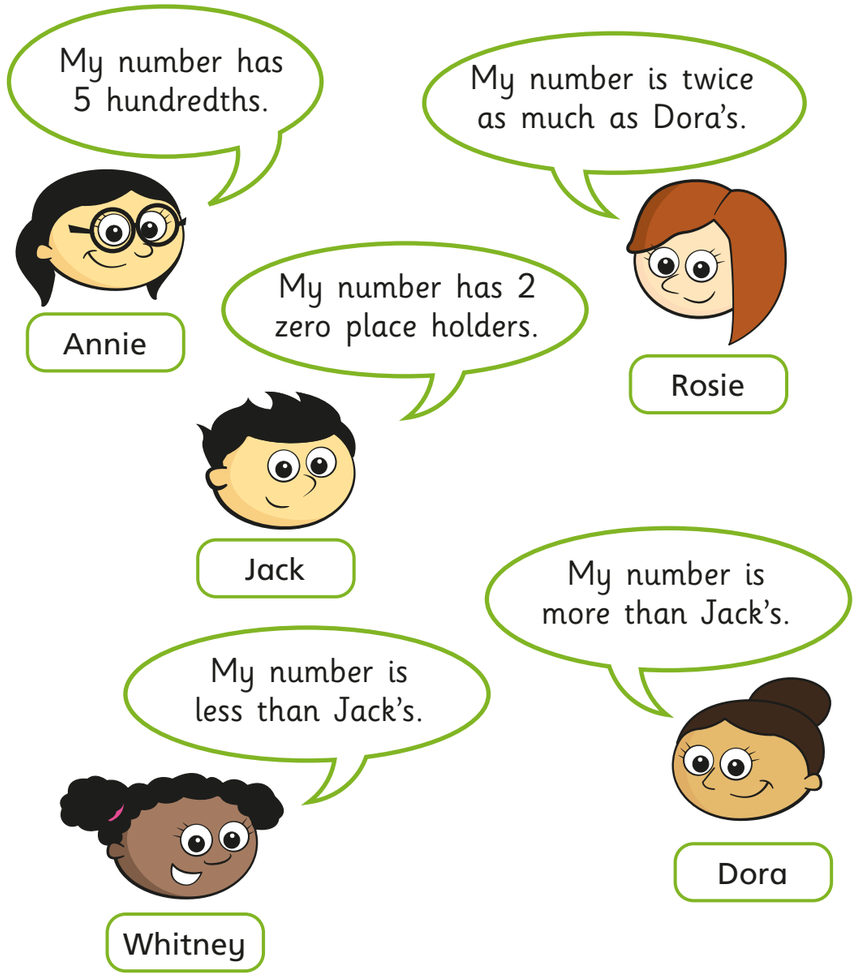
Is Eva correct?

8 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.



Annie	0.05	Dora	0.2	Whitney	0.03
Rosie	0.4	Jack	0.06		

Did your partner use the same method?

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