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 ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐

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 ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐

c)

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

There are ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐

d)

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

There are ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐

2 Make each number on a place value chart.

Write the value of the underlined digit.

a) 6.3̲1 _____

b) 1̲2.09 _____

c) 0.07̲ _____

d) 5̲6.82 _____

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

Ones	Tenths	Hundredths
● ● ●		● ● ● ●

Do you agree with Alex? _____

Explain your answer.

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

a)

T	O	Tths	Hths
3	2		4

d)

T	O	Tths	Hths
		5	

b)

T	O	Tths	Hths
	2		4

e)

T	O	Tths	Hths
	2		

c)

T	O	Tths	Hths
			4

f)

T	O	Tths	Hths
3		5	

Compare answers with a partner.

5 Complete the part-whole models.

a)

(whole) — parts: 0.2, 0.09

c)

0.53 — parts: 0.4, ( )

b)

( ) with parts 0.3, 0.07, 0.1

d)

0.81 with parts 0.4, ( ), 0.28
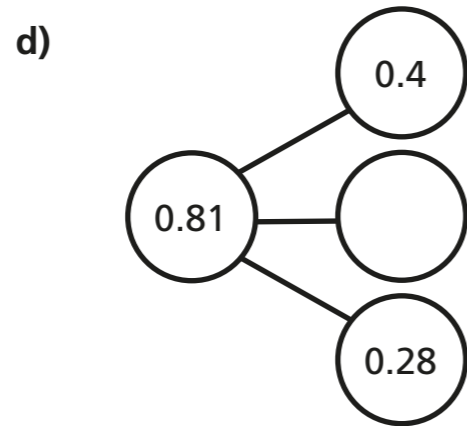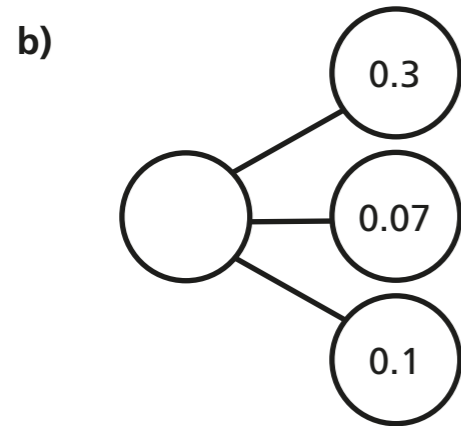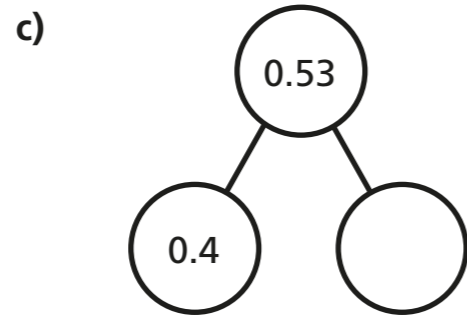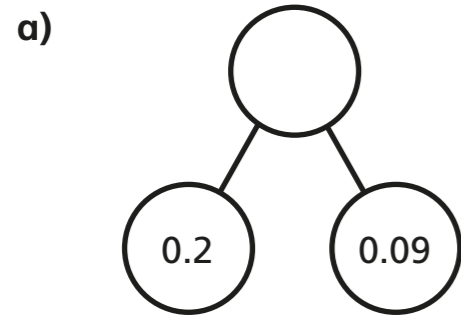
6 Here is a part-whole model.

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

0.72
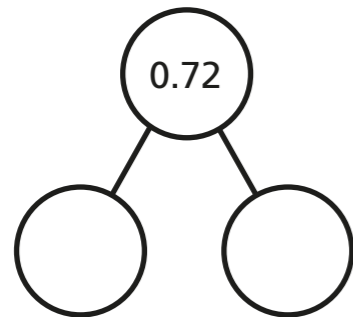
[ ] + [ ] = 0.72

[ ] + [ ] = 0.72

[ ] + [ ] = 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 |
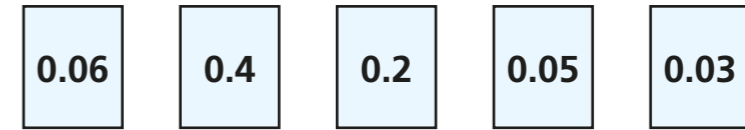
Use the clues to work out which number they each have.

My number has 5 hundredths.

Annie

My number is twice as much as Dora's.

Rosie

My number has 2 zero place holders.

Jack

My number is more than Jack's.

Dora

My number is less than Jack's.

Whitney

Annie [ ]   Dora [ ]   Whitney [ ]

Rosie [ ]   Jack [ ]

Did your partner use the same method?