Hundredths on a place value grid

1 Write the decimal that is represented in each place value chart.

a)

Ones	Tenths	Hundredths
		●●●●

`0.04`

b)

Ones	Tenths	Hundredths
	●●●	●●●● ●

`0.35`

c)

Ones	Tenths	Hundredths
●●●● ●●	●●	●●●● ●●●

`6.27`

d)

Ones	Tenths	Hundredths
●●		●●●● ●

`2.05`

e)

Ones	Tenths	Hundredths
●●●	●●●● ●	

`3.5`

2 Use place value counters to make each number.

Draw your answers on the place value charts.

a) 0.06

Ones	Tenths	Hundredths
		○○○○○○

b) 0.24

Ones	Tenths	Hundredths
	○○	○○○○

c) 1.72

Ones	Tenths	Hundredths
○	○○○○○○○	○○

d) 3.08

Ones	Tenths	Hundredths
○○○		○○○○○○○○

3 Complete the part-whole models.

a)

`0.14`
- 0.1
- 0.04

b)

0.17
- 0.1
- `0.07`

c)

Part-whole model: 0.47 → 0.07 and **0·4**

e)

Part-whole model: 7.18 → 7.1 and **0·08**

d)

Part-whole model: 2.53 → 2 and **0·53**

f)

Part-whole model: **4·09** → 4 and 0.09
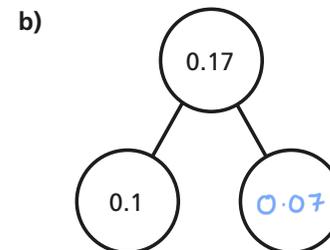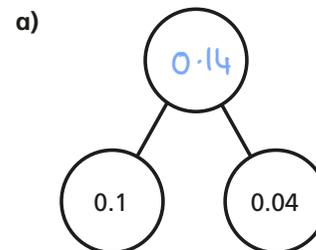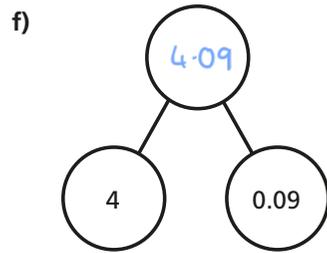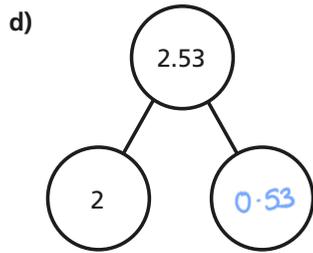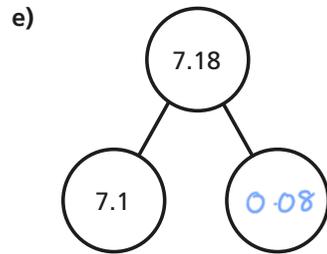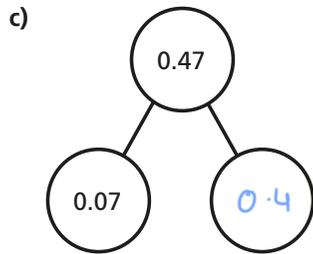
4 Complete the sentences.

a) 2 tenths can be exchanged for **20** hundredths.

b) 7 tenths can be exchanged for **70** hundredths.

c) 7 tenths and 4 hundredths is equivalent to **74** hundredths.

d) **2** tenths and **6** hundredths is equivalent to 26 hundredths.

5 Complete the part-whole models.

a)

Part-whole model: 0.83 → **0·7** and 0.13

b)

Part-whole model: 0.67 → 0.5 and **0·17**

c)

Part-whole model: 2.83 → **2·7** and 0.13

d)

Part-whole model: 4.72 → 3.02 and **1·7**
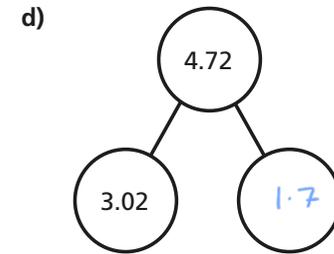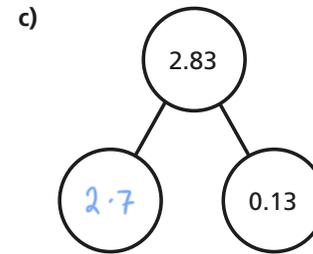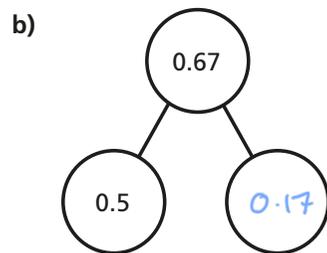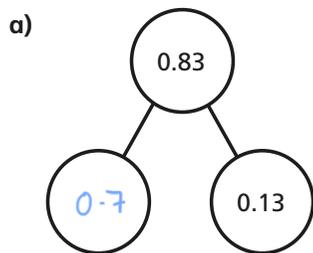
6 Whitney, Tommy, Esther and Dexter each have the same three digit cards and a place value chart.

Ones	•	Tenths	Hundredths
	•		

Cards: **0** **3** **6**

When they put the cards in the chart with one in each space, they each make a different number.

Use the clues to work out each person's number and write it on their place value chart.

- Dexter makes the greatest number possible.
- Tommy makes the number closest to four.
- Esther and Whitney choose the two numbers closest together (Esther makes the slightly greater number).

Dexter

Ones	•	Tenths	Hundredths
6	•	3	0

Tommy

Ones	•	Tenths	Hundredths
3	•	6	0

Whitney

Ones	•	Tenths	Hundredths
0	•	3	6

Esther

Ones	•	Tenths	Hundredths
0	•	6	3