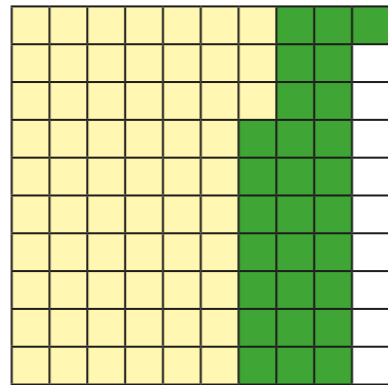


# Use known facts to add and subtract decimals within 1

1 Complete the number sentences shown on the hundred squares.

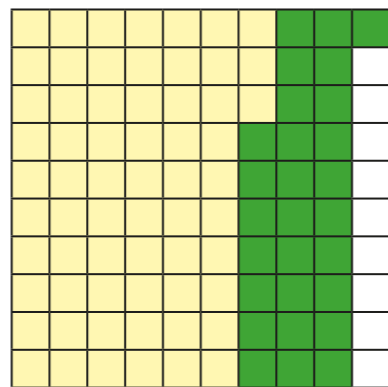
a) Each square in the hundred square represents 1 whole.



ones plus  ones is equal to  ones.

+  =

b) Each square in the hundred square represents 1 hundredth.



hundredths plus  hundredths is equal

to  hundredths.

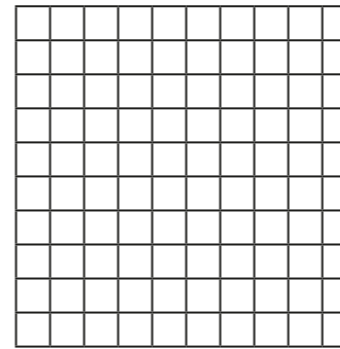
+  =

What do you notice?

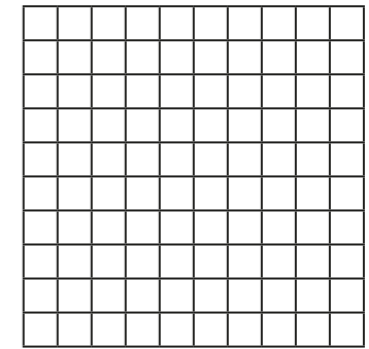


2 Shade the hundred squares to work out the additions.

a)  $0.23 + 0.45 =$

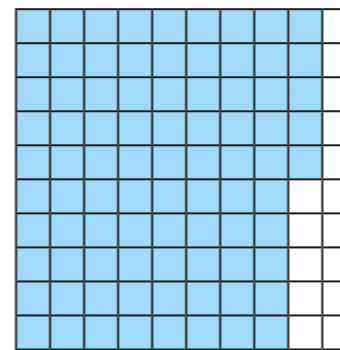


b)  $0.71 + 0.14 =$

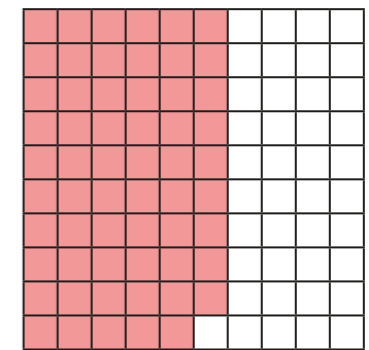


3 Use the hundred squares to work out the subtractions.

a)  $0.85 - 0.12 =$



b)  $0.59 - 0.46 =$



4 Ron has made a number on a place value chart.

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

a) What number has Ron made?

b) What is 2 tenths more than Ron's number?

c) What is 4 tenths less than Ron's number?



5 Complete the number sentences.

a)  $38 + 21 = \square$   
 $38 \text{ hundredths} + 21 \text{ hundredths} = \square \text{ hundredths}$

$0.38 + 0.21 = \square$

b)  $38 - 21 = \square$   
 $38 \text{ hundredths} - 21 \text{ hundredths} = \square \text{ hundredths}$

$0.38 - 0.21 = \square$

c)  $53 + 40 = \square$   
 $53 \text{ hundredths} + 40 \text{ hundredths} = \square \text{ hundredths}$

$0.53 + 0.4 = \square$

d)  $72 - 60 = \square$   
 $72 \text{ hundredths} - 60 \text{ hundredths} = \square \text{ hundredths}$

$0.72 - 0.6 = \square$

What do you notice?

6 Complete the number sentences.

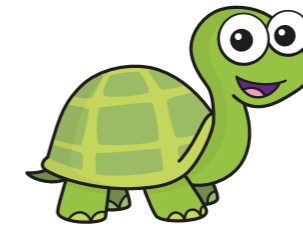
a)  $0.72 \text{ m} + 0.13 \text{ m} = \square \text{ m}$       e)  $£0.71 + £0.20 = £\square$

b)  $£0.89 - £0.25 = £\square$       f)  $0.39 \text{ l} + 0.4 \text{ l} = \square \text{ l}$

c)  $0.98 \text{ kg} - 0.21 \text{ kg} = \square \text{ kg}$       g)  $£0.99 - £0.50 = £\square$

d)  $0.15 \text{ km} + 0.07 \text{ km} = \square \text{ km}$       h)  $0.75 \text{ m} - 0.1 \text{ m} = \square \text{ m}$

7 Tiny is adding and subtracting decimals.



- a)  $0.23 + 0.51 = 0.74$
- b)  $0.5 + 0.12 = 0.17$
- c)  $0.86 - 0.23 = 0.63$
- d)  $0.98 - 0.7 = 0.91$

Tick the correct answers.

Talk to a partner about any mistakes Tiny has made.

8 Complete the calculations.

$70 - 24 = \square$

$70 \text{ hundredths} - 24 \text{ hundredths} = \square \text{ hundredths}$

$£0.70 - £0.24 = £\square$

$0.7 - 0.24 = \square$

What do you notice?

9 The mass of a box is 0.5 kg.

The mass of a basket is 0.37 kg.

a) What is the total mass of the box and the basket?

$\square \text{ kg}$

b) How much heavier is the box than the basket?

$\square \text{ kg}$

