

# Make a whole with tenths

1 What calculations are shown on the ten frames?

a) 

1	1	1	1	1
1	1	1	1	1

 $8 + \square = 10$

0.1	0.1	0.1	0.1	0.1
0.1	0.1	0.1	0.1	0.1

 $0.8 + \square = 1$

b) 

1	1	1	1	1
1	1	1	1	1

 $\square + \square = 10$

0.1	0.1	0.1	0.1	0.1
0.1	0.1	0.1	0.1	0.1

 $\square + \square = 1$

c) 

1	1	1	1	1
1	1	1	1	1

 $\square + \square = 10$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

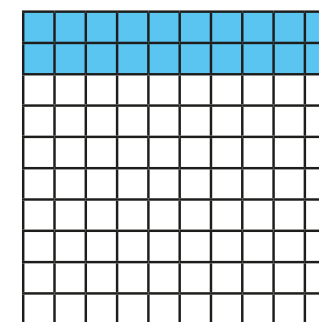
 $\square + \square = 1$

What is the same about the calculations in each pair?

What is different?



2 The hundred square represents 1 whole.



a) How many tenths of the hundred square are shaded?

b) How many tenths of the hundred square are **not** shaded?

c) Write the bond to 1 whole shown on the hundred square.

tenths +  tenths = 1 whole

+  = 1

3 Each hundred square represents 1 whole.

Write the bonds to 1 whole shown on the hundred squares.

a) 


 $\square$  tenths +  $\square$  tenths = 1 whole

+  = 1

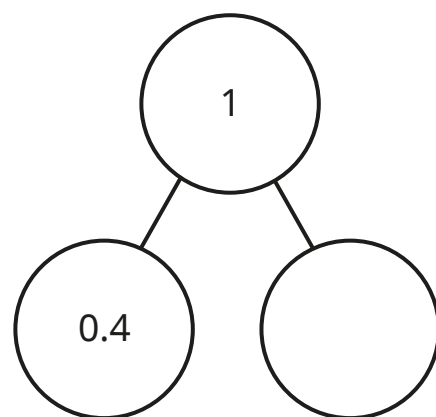
b) 


 $\square$  tenths +  $\square$  tenth = 1 whole

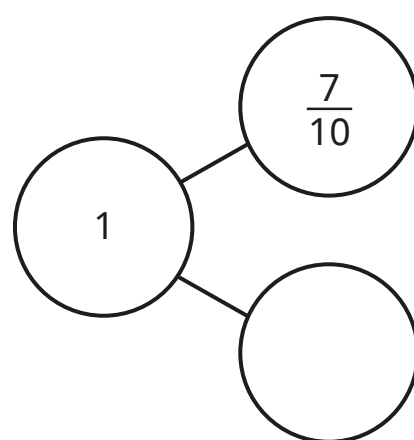
+  = 1

4 Complete the part-whole models.

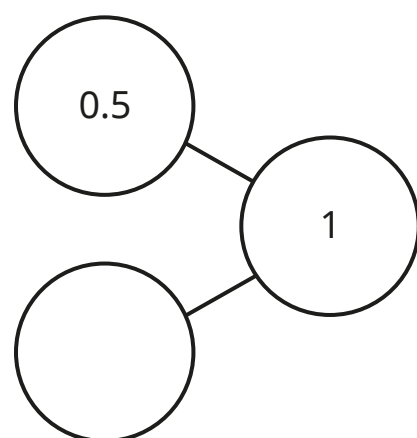
a)



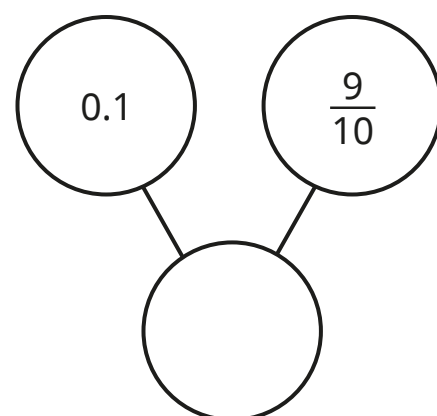
c)



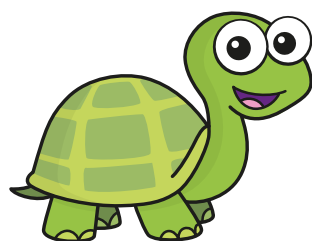
b)



d)



5 Tiny is adding tenths.



$$0.9 + 0.1 = 0.10$$

Is Tiny correct? \_\_\_\_\_

Explain your answer.

6 Fill in the missing numbers.

a)  $0.3 + 0.4 + \boxed{\phantom{00}} = 1$

d)  $\frac{1}{10} + \boxed{\phantom{00}} + 0.3 = 1$

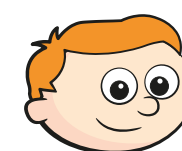
b)  $1 = \frac{3}{10} + \frac{1}{10} + \boxed{\phantom{00}}$

e)  $\frac{3}{10} + \boxed{\phantom{00}} = 1 - \frac{1}{10}$

c)  $0.5 + \frac{3}{10} + \boxed{\phantom{00}} = 1$

f)  $1 - 0.6 = \boxed{\phantom{00}} + 0.1$

7 Ron and Sam are each thinking of a number.



Ron

My number is  $\frac{7}{10}$  less than 1 whole.



Sam

My number is double Ron's number.

What is the bond to 1 whole for Sam's number?

Give your answer as a fraction and as a decimal.

decimal

fraction

How did you work it out?