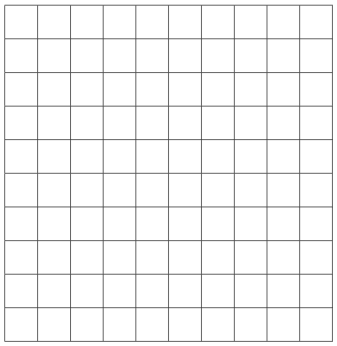
Lesson 2 9.6.26

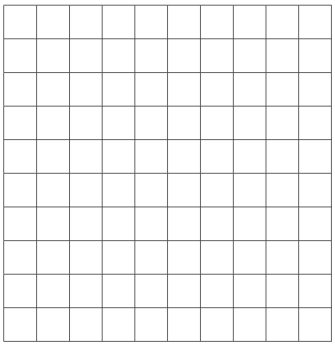
MPI: Complements to 1

Each square in the hundred square represents 1 hundredth of the whole.

Use the hundred square to complete the calculations.



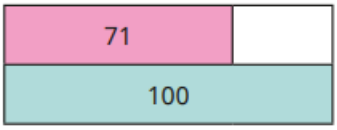
0.55 + ___ = 1

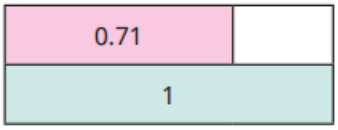


1 = 0.32 + 0.5 + ____

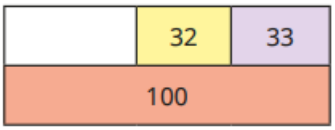
Calculate the missing pieces of the part-whole models

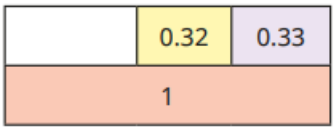
c)





d)





What do you notice?

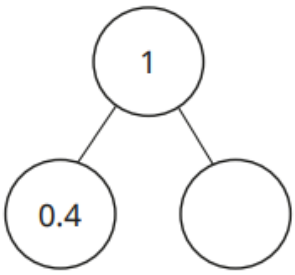
_____

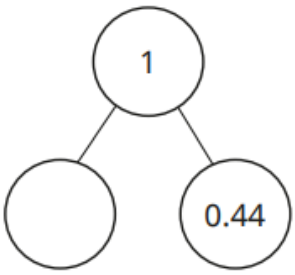
_____

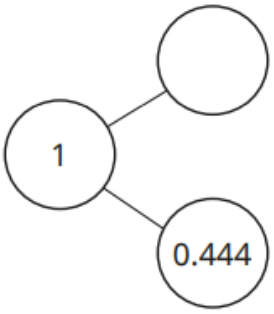
_____

_____

Complete the part-whole models.







Match the pairs of decimals that add together to make 1 whole.

0.12	0.21	0.212	0.012	0.222

0.988	0.79	0.778	0.788	0.88

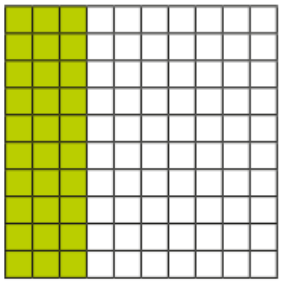
Lesson 2 9.6.26

MPI: Complements to 1 *

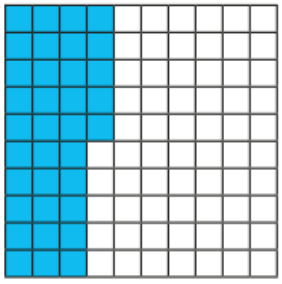
1 Each hundred square represents one whole.

Use the hundred squares to help you complete the additions.

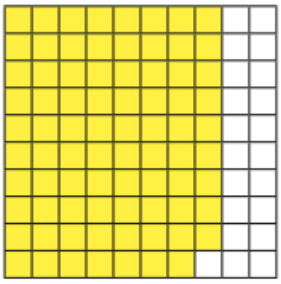
a) 0.3 + ☐ = 1



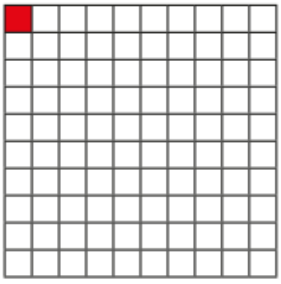
b) 0.35 + ☐ = 1



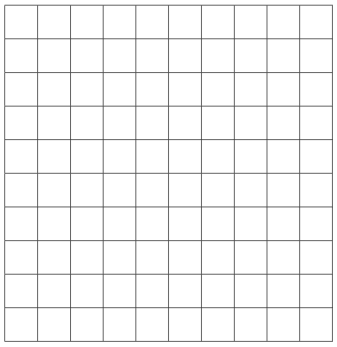
c) 1 = ☐ + 0.79



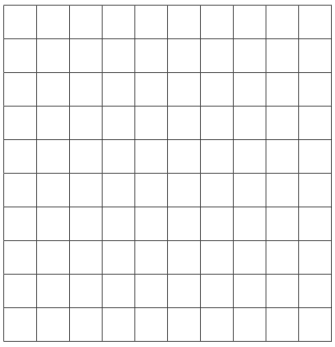
d) ☐ + 0.01 = 1



Now colour in your own hundred square to solve these calculations.



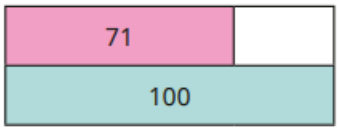
0.55 + ___ = 1

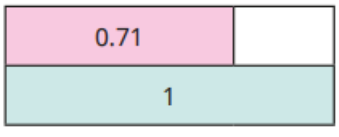


1 = 0.32 + 0.5 + ____

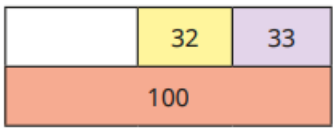
Calculate the missing pieces of the part-whole models

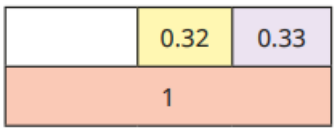
c)





d)





What do you notice?

_____

_____

_____

_____

Lesson 2 CHALLENGE

MPI: Complements to 1

Max, Mo and Annie are baking.

They have 1 kg of flour between them.

I need one quarter of a kilogram of flour.

Max

I need 0.2 kg of flour.

Mo

I need 225 g of flour.

Annie

What is the mass of the flour that will be left over?

Give your answer in kilograms.

6a. Find the odd one out.

0.123 + 0.877
0.945 + 0.055
0.025 + 0.975
0.207 + 0.803

Explain your answer.

_____

_____

_____

Lesson 2 CHALLENGE

MPI: Complements to 1

Max, Mo and Annie are baking.

They have 1 kg of flour between them.

I need one quarter of a kilogram of flour.

Max

I need 0.2 kg of flour.

Mo

I need 225 g of flour.

Annie

What is the mass of the flour that will be left over?

Give your answer in kilograms.

6a. Find the odd one out.

0.123 + 0.877
0.945 + 0.055
0.025 + 0.975
0.207 + 0.803

Explain your answer.

_____

_____

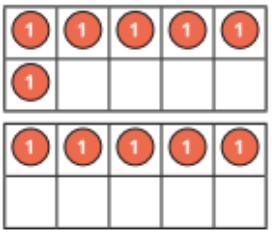
_____

Lesson 3 10.6.26

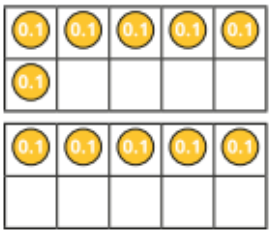
MPI: Adding and subtracting decimals within 1

1 Use the ten frames to work out the additions.

a)



6 + 5 = ____



0.6 + 0.5 = ____

What do you notice?

_____

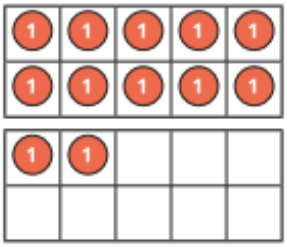
_____

_____

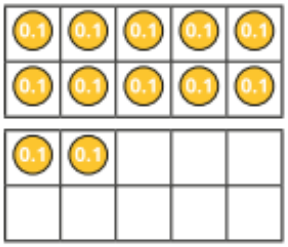
_____

_____

Use the ten frames to work out the subtractions.

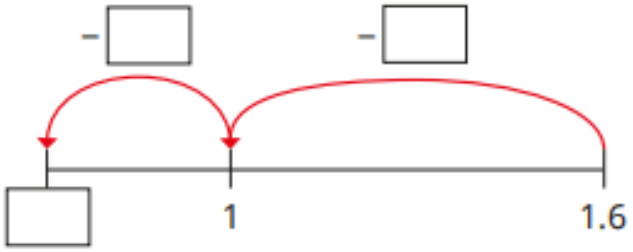


12 – 4 = ____



1.2 – 0.4 = ____

4 Complete the number line and workings to work out 1.6 – 0.9



1.6 – ☐ = 1

1 – ☐ = ☐

1.6 – 0.9 = ☐

5 Work out the subtractions.

a) 1.3 – 0.5 **b)** 1.1 – 0.7 **c)** 1.4 – 0.9 **d)** 1.5 – 0.8

Using whichever method you prefer, solve these additions

0.73 + 0.55

0.62 + 0.47

0.23 + 0.94

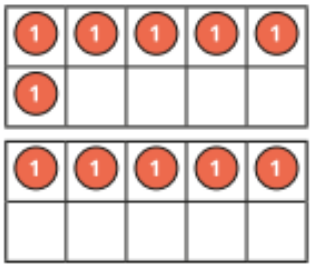
0.97 + 0.66

Lesson 3 10.6.26

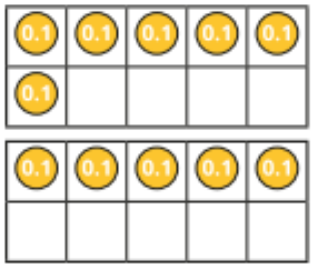
MPI: Adding and subtracting decimals within 1 *

1 Use the ten frames to work out the additions.

a)

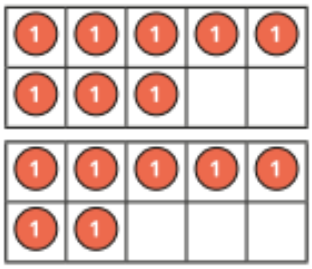


6 + 5 = _____

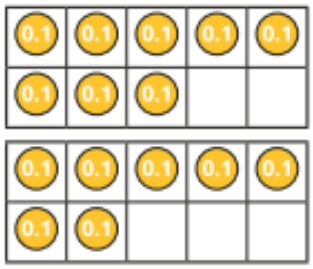


0.6 + 0.5 = _____

b)

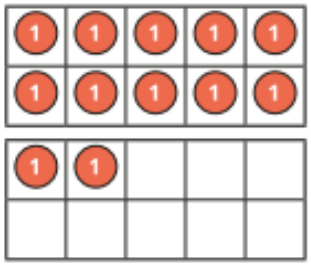


8 + 7 = _____

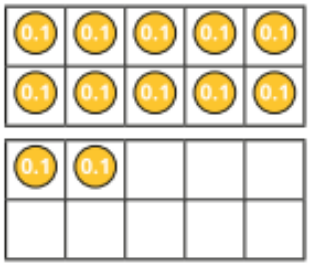


0.8 + 0.7 = _____

Use the ten frames to work out the subtractions.

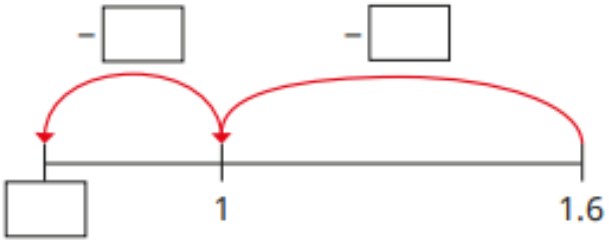


12 – 4 = _____



1.2 – 0.4 = _____

4 Complete the number line and workings to work out 1.6 – 0.9



1.6 – ☐ = 1

1 – ☐ = ☐

1.6 – 0.9 = ☐

5 Work out the subtractions.

a) 1.3 – 0.5 **b)** 1.1 – 0.7 **c)** 1.4 – 0.9 **d)** 1.5 – 0.8

Lesson 3 CHALLENGE

MP1: Adding and subtracting decimals within 1

Work with a partner. Take turns to roll a dice twice and create a decimal number less than 1 using the digits you rolled.

3 2

0.□□

Repeat to create a second number.

Add your two numbers together.

Repeat until you have each added four numbers.

The winner is the person whose total is closest to 1.5 **without** going above 1.5

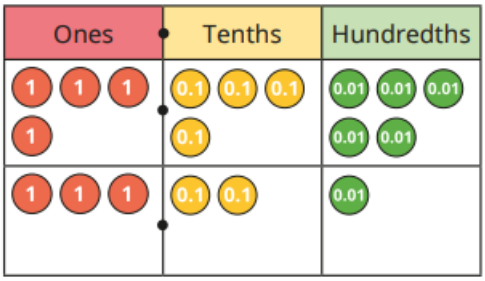
Lesson 4 11.6.26

MPI: Adding decimals with the same number of decimal places

1 Use the column method to work out the additions.

Use place value charts to help you.

a) 4.45 + 3.21



In your book, write the answers to each question.

Use the column method for **at least** 2 questions.

a) 5.3 + 2.5

b) 6.03 + 3.91

c) 2.32 + 10.17

d) 6.37 + 6.26

Work out the calculations.

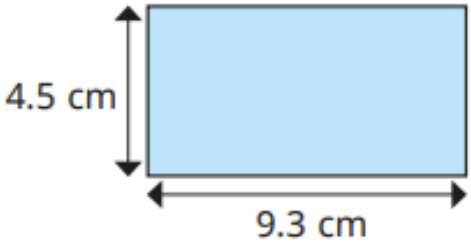
Write <, > or = to make the statements correct.

a) 0.64 + 4.79 ◯ 5.01 + 0.23

b) 7.427 + 3.238 ◯ 5.427 + 5.832

c) 3.08 + 4.63 ◯ 4.84 + 2.87

Calculate the perimeter of the shape.



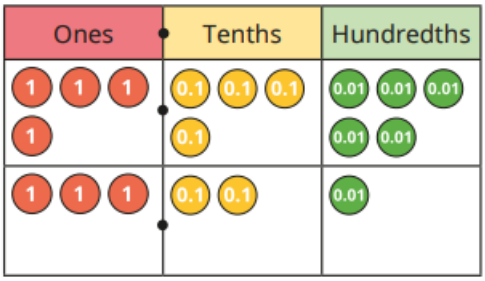
Lesson 4 11.6.26

MPI: Adding decimals with the same number of decimal places

1 Use the column method to work out the additions.

Use place value charts to help you.

a) 4.45 + 3.21



In your book, write the answers to each question.

Use the column method for **at least** 2 questions.

a) 5.3 + 2.5

b) 6.03 + 3.91

c) 2.32 + 10.17

d) 6.37 + 6.26

Work out the calculations.

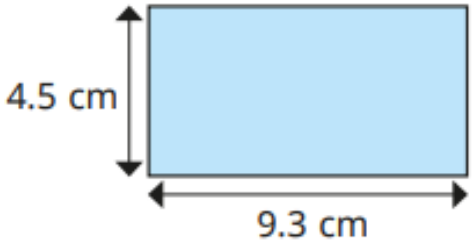
Write <, > or = to make the statements correct.

a) 0.64 + 4.79 ◯ 5.01 + 0.23

b) 7.427 + 3.238 ◯ 5.427 + 5.832

c) 3.08 + 4.63 ◯ 4.84 + 2.87

Calculate the perimeter of the shape.



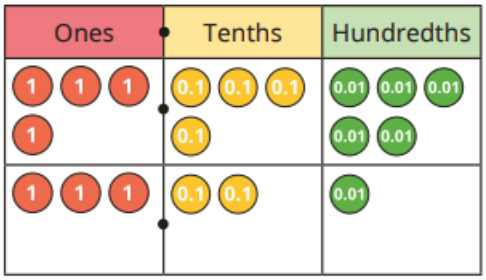
Lesson 4 11.6.26

MPI: Adding decimals with the same number of decimal places *

Use the column method to work out the additions.

Use place value charts to help you.

a) 4.45 + 3.21



		4	4	5	
	+	3	2	1	

a)				b)				c)			
	5	.	3		6	.	0	3		5	.	7	5
+	2	.	5	+	3	.	9	1	+	5	.	3	2

Set up these calculations in the column method and solve them.

Remember to line up the decimal point!

3.102 + 5.872 6.37 + 6.26 4.84 + 2.87

a)				b)				c)			

Lesson 4 CHALLENGE

MPI: Adding decimals with the same number of decimal places

8a. Move across the grid from left to right adding each number as you go.
The aim is to end with the smallest number possible.
You are not allowed to move diagonally!

	0.13	5.93	16.65	12.31	41.23	1.75	8.04	11.34
Start	0.33	0.05	14.42	12.56	47.12	1.97	2.95	11.43
	0.03	0.43	15.81	13.89	43.67	1.87	5.86	21.23
	1.04	0.05	14.33	11.19	41.21	1.18	6.57	21.16
	0.92	2.94	11.89	11.13	39.12	1.65	7.46	11.17
	0.05	0.73	11.19	11.29	37.65	1.18	9.3	21.18
	0.50	0.74	11.36	11.32	35.91	4.29	10.24	11.18
GD	0.89	0.81	12.01	11.21	34.83	1.11	9.13	21.63

PS

Lesson 4 CHALLENGE

MPI: Adding decimals with the same number of decimal places

8a. Move across the grid from left to right adding each number as you go.
The aim is to end with the smallest number possible.
You are not allowed to move diagonally!

	0.13	5.93	16.65	12.31	41.23	1.75	8.04	11.34
Start	0.33	0.05	14.42	12.56	47.12	1.97	2.95	11.43
	0.03	0.43	15.81	13.89	43.67	1.87	5.86	21.23
	1.04	0.05	14.33	11.19	41.21	1.18	6.57	21.16
	0.92	2.94	11.89	11.13	39.12	1.65	7.46	11.17
	0.05	0.73	11.19	11.29	37.65	1.18	9.3	21.18
	0.50	0.74	11.36	11.32	35.91	4.29	10.24	11.18
GD	0.89	0.81	12.01	11.21	34.83	1.11	9.13	21.63

PS