

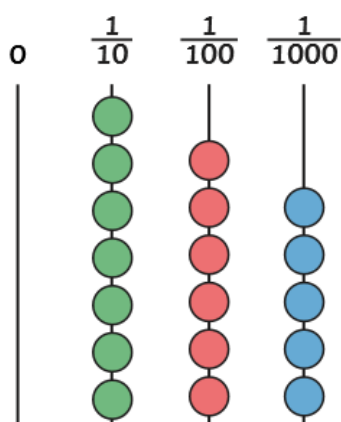
04.05.20

WALT subtract decimals within one.

Please work through the sheets and complete as much as you feel able. They increase in difficulty, so if you aren't feeling challenged on sheet 1, move to sheet 2 then 3.

1)

- 1) Your starting number is the decimal number shown on the abacus. Follow the clues in the maze, answering each question as you go.



Starting number:	a) 0.04 less →	b) Subtract two-tenths →
e) What do I need to subtract to make the decimal equivalent to $\frac{1}{5}$ ? ←	d) Subtract 0.101 ←	c) Take away 0.014 ↓

- 2) a) Use the number line to find the difference between these two numbers.

0.234

0.276

Now draw your own number lines to find the difference between these numbers:

- b) 0.156 and 0.205  
c) 0.345 and 0.397  
d) 0.507 and 0.586
- 3) Answer these calculations using the most efficient method. Show how you worked each one out.
- a)  $0.654 - 0.231 =$   
b)  $0.852 - 0.507 =$   
c)  $0.595 - 0.136 =$   
d)  $0.56 - 0.134 =$

2)

- 1) Gareth has completed his written method but has made a mistake. What has he done wrong? Explain and complete the calculation correctly.



	0	.	9	8	5
-	0	.	2	9	4
	0	.	7	1	1

- 2) Here is part of a calculation.

	0	.	9	8	5
-	0	.	?	?	?
		.			

- Complete the subtraction so that the answer has three decimal places.
  - Complete the subtraction so that the answer has two decimal places.
  - Complete the subtraction so that the answer has one decimal place.
- 3) Jenny is making some bows from ribbon. She has a length of ribbon that is 0.98m long. The bows needed are the following lengths: 0.12m, 0.37m, 0.28m and 0.42m.
- Will Jenny have enough ribbon? Prove it!
- 4) Jake has made a summer smoothie. His jug is full and has a capacity of 0.875 litres. Jake pours out 0.35l for George and 0.239l for Jermaine.
- How much smoothie has Jake got left?

3)

- 1) Find 4 different possible solutions to this calculation.



	0	•	?	?	?
-	0	•	?	?	3
	0	•	?	?	2

- 2) Using only use the digits 4-9 once in the calculation. Explore the following:

	0	•	?	?	?
-	0	•	?	?	?
	0	•			

- a) What is the greatest possible difference?  
b) What is the smallest possible difference?

- 3) Ruth has these digit cards: 1 2 3 4 5 6

	0	•	?	?	?
-	0	•	?	?	?
	0	•			

- a) What is the smallest difference she can make using each digit card once?  
b) What is the greatest difference she can make using each digit card once?