

Year 5 Mathematics 1 Challenge WC-20.4.2020

Miss Vivian's group

1a. Check what Joanne has said. Is she correct? Explain your answer.

When I add 0.1 to 0.09, my answer is 0.91.



1b. Check what Rowan has said. Is he correct? Explain your answer.

When I add 0.1 to 0.05, my answer will be 0.6.



2a. Geoff has taken a test. Mark his answers and write any corrections.

	corrections
$0.83 + 0.01 = 0.09$	
$0.62 + 0.26 = 8.8$	
$0.34 + 0.62 = 0.96$	
$0.53 + 0.04 = 0.93$	
$0.84 + 0.05 = 0.09$	



2b. Martha has taken a test. Mark her answers and write any corrections.

	corrections
$0.03 + 0.46 = 0.53$	
$0.15 + 0.4 = 0.2$	
$0.04 + 0.07 = 0.74$	
$0.37 + 0.42 = 0.79$	
$0.85 + 0.01 = 0.95$	



3a. Which digits from 5 to 9 could you put in the empty spaces to make this statement correct?

$$0.63 + 0.2 \square = 0.8 \square$$



3b. Which digits from 0 to 5 could you put in the empty spaces to make this statement correct?

$$0.23 + 0. \square 4 = 0. \square 7$$



4a. Check what Henri has said. Is he correct? Explain your answer.

You need to work from tenths to thousandths when you're adding decimals.



4b. Check what Grace has said. Is she correct? Explain your answer.

If you add two decimals your answer will never be more than 1.



5a. Evie has taken a test. Mark her answers and write any corrections.

	corrections
$0.132 + 0.828 = 0.951$	
$0.703 + 0.07 = 0.71$	
$0.824 + 0.011 = 0.835$	
$0.351 + 0.039 = 0.381$	
$0.646 + 0.341 = 0.987$	



5b. Martha has taken a test. Mark her answers and write any corrections.

	corrections
$0.971 + 0.009 = 0.98$	
$0.76 + 0.073 = 1.49$	
$0.748 + 0.143 = 0.881$	
$0.628 + 0.304 = 0.912$	
$0.205 + 0.198 = 0.303$	



6a. Which digits could you put in the empty spaces to make these statements correct?

$$0.454 + 0.2 \square = 0.7 \square 4$$

$$0.19 \square + 0.2 \square = 0.451$$



6b. Which digits could you put in the empty spaces to make these statements correct?

$$0.133 + 0.2 \square = 0.4 \square 3$$

$$0.7 \square + 0.28 \square = 0.999$$



Miss Harris' group (Mr Townsend)

7a. Check what Amanyia has said. Is she correct? If not, why not?

The sum of two numbers with 3 decimal places will always have 3 decimal places too.



7b. Check what Danny has said. Is she correct? If not, why not?

The sum of two decimals larger than 0.5 will always be more than one.



8a. Martin has taken a test. Mark his answers and write any corrections.

	corrections
$0.548 + 0.354 = 0.902$	
$0.003 + 0.879 = 0.909$	
$0.172 + 0.336 = 0.409$	
$0.626 + 0.275 = 0.901$	
$0.743 + 0.198 = 0.931$	



8b. Leah has taken a test. Mark her answers and write any corrections.

	corrections
$0.484 + 0.159 = 0.534$	
$0.263 + 0.009 = 0.272$	
$0.152 + 0.709 = 0.811$	
$0.621 + 0.178 = 0.899$	
$0.15 + 0.029 = 0.044$	



9a. Which digits could you put in the empty spaces to make this statement balance?

$$0.4 \square 4 + 0.2 \square 8 = 0.126 + 0.616$$



9b. Which digits could you put in the empty spaces to make this statement balance?

$$0.79 \square + 0.1 \square 3 = 0.528 + 0.417$$

