

Thursday 25th February 2021

Lesson Objective: To add numbers using formal column addition with regrouping

★ Success Criteria ★		Me	Miss B
1	I can add 2-digit numbers using regrouping		
2	I can add 3-digit numbers regrouping once		
3	I can add 3-digit numbers regrouping twice		

Red

$$\begin{array}{r} 1) \quad 18 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 24 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 27 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 35 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 16 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 36 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 17 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 27 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 27 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 45 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 14 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 39 \\ + 34 \\ \hline \end{array}$$






$$\begin{array}{r} 5) \quad 39 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 38 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 54 \\ + 27 \\ \hline \end{array}$$



Yellow

Use column addition to find the total of each moji pairing.



				
166	447	272	416	328

1. Passcode =  + 


	H	T	O
+			

2. Passcode =  + 



	H	T	O
+			

3. Passcode =  + 



	H	T	O
+			

4. Passcode =  + 

	H	T	O
+			

5. Passcode =  + 

	H	T	O
+			



6. Passcode =  + 

	H	T	O
+			



Challenge

1. Passcode =  + 

	H	T	O
+			

2. Passcode =  + 

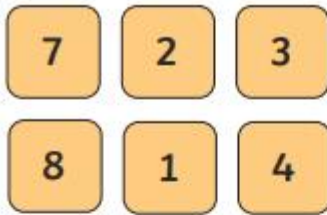
	H	T	O
+			

3. Passcode =  + 

	H	T	O
+			

Mastery

- 1) I have the following digit cards:



Use them to make the pair of 3-digit numbers with the largest possible total. You can only use each card once.

- 2) $546 + 235$ $546 + 233$

The superheroes must use column addition to solve one of these calculations to crack the code to Captain Calamity's hideout.

Pyrogirl thinks that $546 + 235$ is easier to work out.

Emerald Boy thinks that $546 + 233$ is easier.

Who do you agree with? Why do you think that?



- 1) Captain Calamity has stolen 451 jewels from the museum and 373 more from the bank.



I know I have more than 800 jewels without having to do the calculation.



Do you agree with him? Explain your answer.

- 2) a) Fill in the missing digits.

	5	7	
+	2		5
	8	4	8

- b) Explain how you worked it out.

- c) Can you find all the possible combinations of missing digits?

	5	7	
+			5
		4	8