

- 1) Use these digit cards to make 2 numbers with a total between 6 and 7. Find 4 possible solutions. You can only use the digits 1-7 once.



1	2	3	4	5	6	7
---	---	---	---	---	---	---

	?	.	?	?	?
+	?	.	?	?	

- 1) Possible solutions include:

$$3.456 + 2.71 = 6.166$$

$$5.267 + 1.34 = 6.607$$

$$2.765 + 4.13 = 6.895$$

$$3.761 + 2.54 = 6.301$$

- 2) The calculation has a total that when rounded to the nearest whole number is 10. Again you can only use the digits 1-7 once. Find 4 possible solutions.

	?	.	?	?	
+	?	.	?	?	?

- 2) Possible solutions include:

$$3.26 + 7.145 = 10.405$$

$$2.35 + 7.614 = 9.964$$

$$2.13 + 7.546 = 9.676$$

$$7.14 + 3.256 = 10.396$$

- 3) Each digit is different. These three numbers have a total of 10. What could they be? Find 3 possible solutions.

	?	.	?	
	?	.	?	?
+	?	.	?	?

What do you notice about the digits you have used in your different solutions?

- 3) Possible solutions include:

$$3.7 + 5.24 + 1.06$$

$$3.2 + 1.76 + 5.04$$

$$3.2 + 1.06 + 5.74$$

Answers will vary. For example, the tenths, hundredths and thousandths have a total of 1 and therefore as long as they keep that value, the digits can be moved around in the calculation.