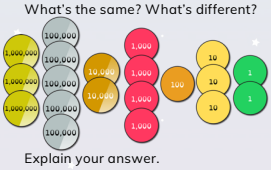
To be able to add and subtract integers

MathShed

Starter:

What's the same? What's different?



three million, seven hundred and twenty-four thousand, one hundred and thirty-two

Explain your answer.

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Activity 1:

Complete the calculations below:

		TTH	TH	H	T	O	
		4	2	7	4	8	
	+	4	9	1	9	7	

	M	HTH	TTH	TH	H	T	O	
	9	5	6	5	4	8	5	
-	7	2	9	3	2	4	8	

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Activity 2:

Solve the word problems below:

1. An antique vase sold at an auction for £550,000.
   It was damaged when it was delivered and has lost £199,000 in value.
   How much is it worth now? Which strategy did you use?

2. The price of a 4-bedroom beach house in Bella Vista was £850,000 last year.
   Prices have dropped by £249,999 over the past 12 months.
   How much would the same beach house cost today? Which strategy did you use?

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Activity 3:

What are the missing digits below?

		TTH	TH	H	T	O	
		6	3		4	9	
	+	3		9	4		
			9	4		4	

		TTH	TH	H	T	O	
		5		3	0		
	+		8	5		5	
		9	4		1	0	

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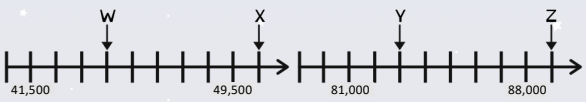
Activity 4:

Look at the number lines below.



What is the difference between W and Y?
What is the difference between W and Z?
What is the difference between X and Y?
What is the difference between X and Z?

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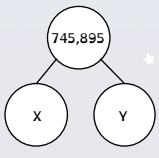
Activity 5:

Look at the part-whole model below.

X is an odd number that rounds to 600,000 to the nearest 100,000. It has a digit total of 11.

Y is an even number that rounds to 130,000 to the nearest ten thousand. It has a digit total of 27.

How many combinations of X and Y can you find?



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Evaluation:

Is Astrobee's statement always, sometimes or never true?
Provide examples to help explain your answer.