

Maths Faculty - WC 1st September 2025

Year Group	Year 9
Subject	Maths

Lesson 1

Please complete the tasks below:

Task 1: Negative Numbers Murder Mystery

Solve the Murder - Write down the following information and hand it to your maths teacher when you see them!







FINAL CHARGES

_____ was murdered by _____ on _____ of _____
 at ____:____ in _____ because _____
 _____.

*One of the vegetables has been murdered.
 Can you solve the mystery?*

MURDERER & VICTIM

The murderer has made two errors. The victim has made no errors.

 <p style="text-align: center;">Mr Tomato</p> $13 - -3 = 16$ $45 + -7 = 52$	 <p style="text-align: center;">Miss Turnip</p> $22 - -3 = 19$ $-10 - 1 = -11$	 <p style="text-align: center;">Mrs Broccoli</p> $24 - -7 = 17$ $-10 + 10 = 0$
 <p style="text-align: center;">Ms Spinach</p> $-42 - -5 = -47$ $-14 - 6 = 20$	 <p style="text-align: center;">Mr Onion</p> $25 - -25 = 50$ $-50 - 50 = 0$	 <p style="text-align: center;">Mr Chilli</p> $8 - -6 = 14$ $-5 + -6 = -11$

DATE & TIME

Solve the calculations to work out when the murder occurred.

Day	$-5 \times -5 =$
Month	$-36 + (-6 \times -7) =$
Hour	$(-5 \times 4) + (-3 \times -12) =$
Minutes	$6 \times -9 + 55 =$

LOCATION

The murder took place where the missing number is lowest.

Garden	$-12 - \underline{\hspace{1cm}} = -26$	Kitchen	$\underline{\hspace{1cm}} \div -3 = 6$
Supermarket	$7 \times \underline{\hspace{1cm}} = -28$	Fridge	$\underline{\hspace{1cm}} + -12 = -13$

MOTIVE

Solve the calculations to work out why there was a murder.

A	$-10 - -3$	N	$-9 + -11$
B	$-4 - 14$	O	$-9 - 13$
C	$-13 + -14$	P	$-8 + -5$
D	$12 - -15$	Q	$6 + -11$
E	$2 - -11$	R	$-4 + -12$
F	$-3 + 9$	S	$12 - -11$
G	$-1 - -9$	T	$-15 - 10$
H	$13 - -2$	U	$14 - -10$
I	$-14 + 2$	V	$15 - -1$
J	$-10 + 8$	W	$-3 - 3$
K	$0 + -24$	X	$4 + -8$
L	$-1 - 13$	Y	$-10 - -12$
M	$-10 + -7$	Z	$13 - -7$

23	15	13	8	-22	-25	-18	24	-16
-20	13	27	-18	2	15	-12	-17	

Task 2: Square and Cube Numbers Murder Mystery

Solve the Murder - Write down the following information and hand it to your maths teacher when you see them!

FINAL CHARGES

_____ was murdered by _____ on _____ of _____
at ____:____ in _____ because _____
_____.

One of the snacks has been murdered.
Can you solve the mystery?

MURDERER & VICTIM

The murderer has no square numbers.

The victim has two square numbers.



Mr Banana

$$6 + 3$$
$$12 + 12$$



Mr Pear

$$75 - 50 =$$
$$43 + 67 =$$



Mrs Orange

$$80 + 1$$
$$78 - 14$$



Miss Croissant

$$99 - 25$$
$$48 \div 12$$



Mr Milk

$$2 + 13$$
$$24 - 18$$



Ms Sausage

$$46 - 45$$
$$36 \div 2$$

DATE & TIME

Solve the calculations to work out when the murder occurred.

Day	$2^3 + 3^2$
Month	$6^2 - 5^2$
Hour	$4^3 - 7^2$
Minutes	$1^3 + 3^3$

LOCATION		<i>The murder took place where the answer is correct.</i>	
Cinema	$\sqrt{6} = 3$	Garden	$\sqrt{100} = 50$
Park	$\sqrt{16} = 8$	Cafe	$\sqrt{81} = 9$

MOTIVE		<i>Solve the calculations to work out why there was a murder.</i>	
A	$\sqrt{9} + \sqrt{9} =$	N	$\sqrt{1} + \sqrt{144} =$
B	$6^2 \div 2 =$	O	$5^2 + 25 =$
C	$6^2 - 5 =$	P	$11^2 - 50 =$
D	$\sqrt{81} - 3^2 =$	Q	$7^2 + 3^3 - 8^2 =$
E	$\sqrt{81} \times \sqrt{25} =$	R	$\sqrt{16} + \sqrt{25} =$
F	$1^2 \times 11 =$	S	$\sqrt{81} + 12^2 =$
G	$10^2 \div 10 =$	T	$11^2 - 1 =$
H	$\sqrt{100} - \sqrt{4} =$	U	$\sqrt{100} \div 2 =$
I	$3^3 + 2^2 + 5^2 =$	V	$4^2 \div 2^2 =$
J	$\sqrt{100} + \sqrt{81} =$	W	$3^2 \times 10 =$
K	$7^2 - 9 =$	X	$12^2 - 100 =$
L	$4^2 + 4^3 - 0^2 =$	Y	$1^3 + 8^2 + 3^2 =$
M	$\sqrt{16} \div 2 =$	Z	$\sqrt{36} + \sqrt{64} =$

153	8	45	153	6	56	0	8	56	153	19	50	40
45	153	90	45	9	45	31	8	45	45	153	74	

Thank You and see you soon :-)
The Maths Staff