Who, where and when?

JustMaths

Who?
One of the following four people has committed a crime. The criminal made 2 errors, the victim has made 1 error and the other two suspects have made 0 errors.

The ICT teacher made the following statements:

- $(3 + 3) \times 4 = 24$ ✓
  $6 \times 4 = 24$
- $4 \times 2 - 5 = 3$ ✓
  $8 - 5 = 3$
- $(21 \times 1) - 2 = 19$ ✓
  $21 - 2 = 19$
- $2 \times 1 \times 4 = 8$ ✓

SUSPECT

The history teacher made the following statements:

- $(5 + 7) \div 6 = 2$ ✓
  $12 \div 6 = 2$
- $(5 \times 4) + 2 = 22$ ✓
  $20 + 2 = 22$
- $5 \times 3 + 5 = 20$ ✓
  $15 + 5 = 20$
- $10 - 3 \times 3 = 21$ ✗
  $10 - 9 = 1$

VICTIM

SUSPECT

The maths teacher made the following statements:

- $(9 - 4) + 5 = 10$ ✓
  $5 + 5 = 10$
- $5 \times (2 + 3) = 25$ ✓
  $5 \times 5 = 25$
- $20 \div 4 + 1 = 6$ ✓
  $5 + 1 = 6$
- $20 \div (4 + 1) = 4$ ✓
  $20 \div 5 = 4$

The English teacher made the following statements

- $2 \times (15 - 2) = 26$ ✓
  $2 \times 13 = 26$
- $7 - (4 + 2) = 5$ ✗
  $7 - 6 = 1$
- $14 + 6 \times 3 = 60$ ✗
  $14 + 18 = 32$
- $24 \div 6 - 2 = 2$ ✓
  $4 - 2 = 2$

CRIMINAL

Where?

The murder was committed at one of the locations below, but which one?
It happened where ALL the calculations are correct.

The maths classroom $9+16=25$ $3 \times 16 + 3 \times 25 = 48 + 75 = 123$	$5^2 \div 5 = 25 \div 5 = 5$ $(2 + 3)^2 \div \sqrt{25} = 5$ ✓ $3^2 + 4^2 = 25$ ✓ $3 \times 4^2 + 3 \times 5^2 = 219$ ✗
The dining hall	$7 \times 2 \div 14 = 14 \div 14 = 1$ $7 \times (4 \div 2) \div (3 \times 5 - 1) = 1$ ✓ $3 \times 5 + 2 \times 9$ $3 \times \sqrt{25} + 2 \times 3^2 = 153$ ✗ $= 15 + 18 = 33$ $10 + 3 = 13$ $5 \times 2 + 3 = 13$ ✓
The gym	$25 - 20 + 3 = 8$ $25 - 5 \times 4 + 3 = 83$ ✗ $6 + 15 - 6 = 15$ $6 + 3 \times 5 - 12 \div 2 = 15$ ✓ $15 - 20 = -5$ $15 - 5 \times 4 = 40$ ✗
The playing fields $8 + 36 \div (5 + 6) = 44 \div 11 = 4$	$(3 + 4)^2 = 49$ $7^2 = 49$ ✓ $2^3 + 6^2 \div (\sqrt{25} + 2 \times 3) = 4$ ✓ $2 \times 6^2 = 2 \times 36 = 72$ $2 \times (4 + 2)^2 = 72$ ✓

When?

Find the day where **BOTH statements** are correct:

Monday	$18 \times 2 = 36$ $3 \times 12 = 36$ • $(3 \times 6) \times 2 = 3 \times (6 \times 2)$ ✓ • $3 \times ? + 2 = 17$ the missing number is ~~8~~ 5
Tuesday	$6 + 7 = 13$ $4 + 9 = 13$ • $(4 + 2) + 7 = 4 + (2 + 7)$ ✓ • $? \times 8 - 2 = 22$ the missing number is ~~8~~ 3
Wednesday	$6 - 1 = 5$ $8 - 1 = 7$ • $(8 - 2) - 1 = 8 - (2 - 1)$ ✗ $12 - 7 = 5$ • $(2 \times 6) - (14 \div 2) = 5$ the missing number is 6 ✓
Thursday	$2 \div 2 = 1$ $8 \div 2 = 4$ • $(8 \div 4) \div 2 = 8 \div (4 \div 2)$ ✗ $3 \times 5 - 10 = 5$ • $3 \times (1 + 4) - (5 \times 2) = 5$ the missing number is 4 ✓
Friday	18 18 • $3 \times 3 \times 2 = (3 \times 2) \times 3$ ✓ $4 \times 5 = 20 - 19 = 1$ • $4 \times (3 + 2) - (24 - 5) = 1$ the missing number is 3 ✓

The Accusation

Who	
Where	
When	