



Sinking of the SS Bloxfield

Grade 5 math · Subtraction, Addition, Multiplication, Fractions of a number · Reading level grades 5-6

Detective: _____ Date: _____

Someone spawned a massive weapon and completely split the SS Bloxfield in half right before the round ended! The Lobby Host is furious. We need to find the player who did it before the next map loads.

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the ship wrecker is _____

Possible suspects

Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SUPER WEAPON	LOBBY GEAR	MOUSE GRIP	AVATAR HAT	GAME HAZARD
TrollFace	C4 Charge	Gravity Coil	Right-handed grip	Bacon hair	Lag spikes
Telamon	Giant Hammer	Glider	Right-handed grip	Bacon hair	Deep water
BrickBuilder	Giant Hammer	Jetpack	Right-handed grip	Bacon hair	Lag spikes
NoobSlayer	C4 Charge	Fire Brand	Right-handed grip	Bacon hair	Deep water
SeaSpartan	Giant Hammer	Gravity Coil	Right-handed grip	Bacon hair	Deep water
AquaNinja	C4 Charge	Glider	Left-handed grip	Bacon hair	Lag spikes
LaserGamer	Rocket Launcher	Speed Coil	Right-handed grip	Blue roblox cap	Lava blocks
Valkyrie	Giant Hammer	Speed Coil	Right-handed grip	Bacon hair	Deep water
PixelQueen	Rocket Launcher	Glider	Left-handed grip	Blue roblox cap	Lava blocks
AnchorDrop	Laser Cannon	Speed Coil	Right-handed grip	Blue roblox cap	Deep water
RoboCrusher	Laser Cannon	Gravity Coil	Right-handed grip	Robo helm	Deep water
Guest666	Laser Cannon	Glider	Right-handed grip	Robo helm	Deep water
ShipWrecker	C4 Charge	Gravity Coil	Left-handed grip	Blue roblox cap	Deep water
SubZero	C4 Charge	Speed Coil	Left-handed grip	Robo helm	Lag spikes
Builderman	C4 Charge	Speed Coil	Left-handed grip	Bacon hair	Lava blocks
CapnObvious	C4 Charge	Speed Coil	Right-handed grip	Blue roblox cap	Deep water
WaveRider	Rocket Launcher	Fire Brand	Left-handed grip	Robo helm	Deep water
SwordFightr	Meteor Staff	Gravity Coil	Left-handed grip	Blue roblox cap	Lag spikes
BloxyBoy	C4 Charge	Fire Brand	Left-handed grip	Bacon hair	Lag spikes
RedPlates	Laser Cannon	Fire Brand	Right-handed grip	Bacon hair	Deep water
CoilJumper	C4 Charge	Gravity Coil	Left-handed grip	Bacon hair	Deep water

CLUE 1

Subtraction

We subtracted the remaining missiles in the supply crate from the starting count. This showed us how much ammo the wrecker had left, revealing their gear limits.

Solve each problem, then write its letter in every clue box that shows the same number.

T																	T
7228	3923	2115	6328	1406	2733	2733	4507	1406	2759	1953	8782	2115	3909	2759	8782	7228	

			T								
8958	3909	2115	7228	3923	2115	2002	2733	1406	1953	2115	4029

$10923 - 3695 = \boxed{} \rightarrow \boxed{T}$

$8163 - 4254 = \boxed{} \rightarrow \boxed{S}$

$3665 - 1663 = \boxed{} \rightarrow \boxed{G}$

$5282 - 3876 = \boxed{} \rightarrow \boxed{I}$

$6310 - 4195 = \boxed{} \rightarrow \boxed{E}$

$5096 - 2337 = \boxed{} \rightarrow \boxed{N}$

$6363 - 4410 = \boxed{} \rightarrow \boxed{D}$

$6910 - 582 = \boxed{} \rightarrow \boxed{V}$

$4933 - 2200 = \boxed{} \rightarrow \boxed{L}$

$6838 - 2809 = \boxed{} \rightarrow \boxed{R}$

$6719 - 2796 = \boxed{} \rightarrow \boxed{H}$

$10178 - 1220 = \boxed{} \rightarrow \boxed{U}$

$8341 - 3834 = \boxed{} \rightarrow \boxed{A}$

$10654 - 1872 = \boxed{} \rightarrow \boxed{O}$

Scratch space:

CLUE 2 Addition

We totaled the blocks destroyed on both decks. Adding these amounts together helped us track down the culprit's exact location during the blast.

Solve each problem, then write its letter in every clue box that shows the same number.

T															T
2009	2878	5969	8760	6627	5969	2911	8037	5969	8037	9184	4788	5286	4284	2878	2009

2878	9184	4534	8902	5969	8902	8678	6627	2911	8037	5969

$1208 + 801 = \square \rightarrow \boxed{\text{T}}$

$3332 + 5428 = \square \rightarrow \boxed{\text{F}}$

$925 + 1953 = \square \rightarrow \boxed{\text{H}}$

$3862 + 5040 = \square \rightarrow \boxed{\text{D}}$

$2926 + 5111 = \square \rightarrow \boxed{\text{S}}$

$3687 + 1599 = \square \rightarrow \boxed{\text{I}}$

$2811 + 1977 = \square \rightarrow \boxed{\text{R}}$

$1737 + 1174 = \square \rightarrow \boxed{\text{U}}$

$2853 + 6331 = \square \rightarrow \boxed{\text{A}}$

$2964 + 3005 = \square \rightarrow \boxed{\text{E}}$

$1817 + 2717 = \square \rightarrow \boxed{\text{N}}$

$1887 + 2397 = \square \rightarrow \boxed{\text{G}}$

$3097 + 5581 = \square \rightarrow \boxed{\text{M}}$

$2637 + 3990 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The villain stacked dynamite in even rows. Multiplying the rows by the columns gave us the total charge size and led us to their mouse setup.

Solve each problem, then write its letter in every clue box that shows the same number.

T															
21	11	40	60	108	44	44	66	108	64	66	44	77	66	28	30
												T			
66	60	121	108	14	30	14	40	40	84	77	66	21	40	7	

$7 \times 3 = \square \rightarrow \boxed{\text{T}}$

$12 \times 9 = \square \rightarrow \boxed{\text{I}}$

$12 \times 7 = \square \rightarrow \boxed{\text{P}}$

$7 \times 4 = \square \rightarrow \boxed{\text{Y}}$

$6 \times 11 = \square \rightarrow \boxed{\text{A}}$

$7 \times 11 = \square \rightarrow \boxed{\text{W}}$

$3 \times 10 = \square \rightarrow \boxed{\text{S}}$

$11 \times 4 = \square \rightarrow \boxed{\text{L}}$

$12 \times 5 = \square \rightarrow \boxed{\text{V}}$

$11 \times 1 = \square \rightarrow \boxed{\text{H}}$

$11 \times 11 = \square \rightarrow \boxed{\text{O}}$

$7 \times 2 = \square \rightarrow \boxed{\text{D}}$

$8 \times 5 = \square \rightarrow \boxed{\text{E}}$

$8 \times 8 = \square \rightarrow \boxed{\text{N}}$

$1 \times 7 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 4

Fractions of a number

Only a fraction of the players had enough Robux to purchase rare avatar hats. Calculating this fraction helped us spot the suspect's headgear.

Solve each problem, then write its letter in every clue box that shows the same number.

T								T									
33	11	32	6	39	30	35	33	32	11	35	19	3	32	19	19	34	

21	35	2	29	7	11	35	39	30	

$$2/8 \text{ of } 132 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1/10 \text{ of } 70 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$6/8 \text{ of } 28 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$2/8 \text{ of } 8 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$2/4 \text{ of } 12 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$8/10 \text{ of } 40 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$3/6 \text{ of } 78 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$3/6 \text{ of } 38 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$1/8 \text{ of } 24 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$2/10 \text{ of } 170 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$4/8 \text{ of } 70 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$1/4 \text{ of } 44 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$1/3 \text{ of } 90 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$2/6 \text{ of } 87 = \boxed{} \rightarrow \boxed{\text{O}}$$

Scratch space:

CLUE 5**Fractions of a number - the last clue**

We looked at a fraction of the game server lag logs. Finding this fraction revealed the exact hazard that makes the villain crash.

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

$6/8 \text{ of } 12 = \boxed{}$

$1/6 \text{ of } 72 = \boxed{}$

$1/10 \text{ of } 80 = \boxed{}$

$1/2 \text{ of } 2 = \boxed{}$

$5/10 \text{ of } 10 = \boxed{}$

$1/6 \text{ of } 12 = \boxed{}$

$2/8 \text{ of } 24 = \boxed{}$

$1/2 \text{ of } 14 = \boxed{}$

$3/5 \text{ of } 5 = \boxed{}$

$1/4 \text{ of } 16 = \boxed{}$

$2/10 \text{ of } 50 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain zaps the bottom hull, then jumps high with a gravity coil.
2. The villain blows up the main mast, then jumps high with a gravity coil.
3. The villain blasts the captain quarters, then jumps high with a gravity coil.
4. The villain smashes the steering wheel, then glides safely to the water.
5. The villain zaps the bottom hull, then flies off with a jetpack.
6. The villain blasts the captain quarters, then zooms away using a speed coil.
7. The villain zaps the bottom hull, then glides safely to the water.
8. The villain zaps the bottom hull, then lights up the escape path with fire.
9. The villain smashes the steering wheel, then zooms away using a speed coil.
10. The villain summons space rocks onto the deck, then flies off with a jetpack.
11. The villain smashes the steering wheel, then jumps high with a gravity coil.
12. The villain blows up the main mast, then lights up the escape path with fire.

Answer Key

Sinking of the SS Bloxfield

Culprit: SeaSpartan

Giant Hammer · Gravity Coil · Right-handed grip · Bacon hair · Deep water

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE VILLAIN DOES NOT USE THE GLIDER"

10923 - 3695 = 7228 (T) · 8163 - 4254 = 3909 (S) · 3665 - 1663 = 2002 (G) · 5282 - 3876 = 1406 (I) · 6310 - 4195 = 2115 (E) · 5096 - 2337 = 2759 (N) · 6363 - 4410 = 1953 (D) · 6910 - 582 = 6328 (V) · 4933 - 2200 = 2733 (L) · 6838 - 2809 = 4029 (R) · 6719 - 2796 = 3923 (H) · 10178 - 1220 = 8958 (U) · 8341 - 3834 = 4507 (A) · 10654 - 1872 = 8782 (O)

Clue 2 (Addition): "THE FOE USES A RIGHT HANDED MOUSE"

1208 + 801 = 2009 (T) · 3332 + 5428 = 8760 (F) · 925 + 1953 = 2878 (H) · 3862 + 5040 = 8902 (D) · 2926 + 5111 = 8037 (S) · 3687 + 1599 = 5286 (I) · 2811 + 1977 = 4788 (R) · 1737 + 1174 = 2911 (U) · 2853 + 6331 = 9184 (A) · 2964 + 3005 = 5969 (E) · 1817 + 2717 = 4534 (N) · 1887 + 2397 = 4284 (G) · 3097 + 5581 = 8678 (M) · 2637 + 3990 = 6627 (O)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN ALWAYS AVOIDS DEEP WATER"

$7 \times 3 = 21$ (T) · $12 \times 9 = 108$ (I) · $12 \times 7 = 84$ (P) · $7 \times 4 = 28$ (Y) · $6 \times 11 = 66$ (A) · $7 \times 11 = 77$ (W) · $3 \times 10 = 30$ (S) · $11 \times 4 = 44$ (L) · $12 \times 5 = 60$ (V) · $11 \times 1 = 11$ (H) · $11 \times 11 = 121$ (O) · $7 \times 2 = 14$ (D) · $8 \times 5 = 40$ (E) · $8 \times 8 = 64$ (N) · $1 \times 7 = 7$ (R)

Clue 4 (Fractions of a number): "THE PIRATE HAS MESSY BACON HAIR"

$\frac{2}{8}$ of 132 = 33 (T) · $\frac{1}{10}$ of 70 = 7 (N) · $\frac{6}{8}$ of 28 = 21 (B) · $\frac{2}{8}$ of 8 = 2 (C) · $\frac{2}{4}$ of 12 = 6 (P) · $\frac{8}{10}$ of 40 = 32 (E) · $\frac{3}{6}$ of 78 = 39 (I) · $\frac{3}{6}$ of 38 = 19 (S) · $\frac{1}{8}$ of 24 = 3 (M) · $\frac{2}{10}$ of 170 = 34 (Y) · $\frac{4}{8}$ of 70 = 35 (A) · $\frac{1}{4}$ of 44 = 11 (H) · $\frac{1}{3}$ of 90 = 30 (R) · $\frac{2}{6}$ of 87 = 29 (O)

Clue 5 (Fractions of a number): surviving statement is box 11 → SeaSpartan

$\frac{6}{8}$ of 12 = 9 · $\frac{1}{6}$ of 72 = 12 · $\frac{1}{10}$ of 80 = 8 · $\frac{1}{2}$ of 2 = 1 · $\frac{5}{10}$ of 10 = 5 · $\frac{1}{6}$ of 12 = 2 · $\frac{2}{8}$ of 24 = 6 · $\frac{1}{2}$ of 14 = 7 · $\frac{3}{5}$ of 5 = 3 · $\frac{1}{4}$ of 16 = 4 · $\frac{2}{10}$ of 50 = 10