



The Mystery of the Missing Dragon Egg

Grade 3 math · Addition, Subtraction, Rounding, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into the town square of Craftia and swiped the legendary Ender Dragon Egg! The Head Villager needs your crafting skills to follow the blocky trail, solve the puzzles, and catch the thief!

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 grieving thief is _____

Possible suspects

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

NAME	MAIN TOOL	OFF-HAND ITEM	MINING SWING	HELMET STYLE	AVOIDED HAZARD
Sparklez	Ender Pearls	Totem of Undying	Right-handed swinging	Leather Cap	Sweet Berry Bushes
Wilbur	Elytra Wings	Golden Apple	Right-handed swinging	Iron Helmet	Soul Sand
Hannah	Ender Pearls	Golden Apple	Right-handed swinging	Iron Helmet	Sweet Berry Bushes
Alex	Elytra Wings	Fire Charge	Right-handed swinging	Golden Helmet	Water Buckets
Steve	Elytra Wings	Bucket of Lava	Right-handed swinging	Leather Cap	Sweet Berry Bushes
Mumbo	Netherite Pickaxe	Golden Apple	Right-handed swinging	Leather Cap	Sweet Berry Bushes
Tubbo	Ender Pearls	Golden Apple	Left-handed swinging	Leather Cap	Sweet Berry Bushes
DanTDM	Netherite Pickaxe	Totem of Undying	Right-handed swinging	Leather Cap	Soul Sand
BadBoy	Elytra Wings	Totem of Undying	Left-handed swinging	Golden Helmet	Sweet Berry Bushes
Ranboo	Diamond Sword	Fire Charge	Right-handed swinging	Leather Cap	Sweet Berry Bushes
Skeppy	Netherite Pickaxe	Totem of Undying	Left-handed swinging	Leather Cap	Sweet Berry Bushes
Lizzie	Netherite Pickaxe	Bucket of Lava	Left-handed swinging	Iron Helmet	Water Buckets
Philza	Elytra Wings	Potion of Swiftmess	Left-handed swinging	Golden Helmet	Sweet Berry Bushes
Grian	Elytra Wings	Fire Charge	Left-handed swinging	Leather Cap	Sweet Berry Bushes
Foolish	Diamond Sword	Potion of Swiftmess	Right-handed swinging	Iron Helmet	Sweet Berry Bushes
Stampy	Diamond Sword	Bucket of Lava	Right-handed swinging	Golden Helmet	Water Buckets
Puffy	Netherite Pickaxe	Golden Apple	Right-handed swinging	Iron Helmet	Soul Sand
Sam	Diamond Sword	Bucket of Lava	Left-handed swinging	Leather Cap	Sweet Berry Bushes
Joel	Ender Pearls	Totem of Undying	Left-handed swinging	Leather Cap	Sweet Berry Bushes
Tommy	Elytra Wings	Bucket of Lava	Left-handed swinging	Leather Cap	Water Buckets
Sapnap	Redstone Dust	Fire Charge	Right-handed swinging	Leather Cap	Sweet Berry Bushes

CLUE 1 Addition

The thief raided the local village supply chests. Add up all the stolen items inside to find the total damage and unlock our very first clue!

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

T																	T
300	821	557	219	903	237	237	810	903	616	414	900	557	431	616	900	300	

											T						
231	810	335	335	284	810	831	686	231	620	557	300	900	568	237	810	219	810

$93 + 207 = \square \rightarrow \text{[T]}$	$455 + 448 = \square \rightarrow \text{[I]}$	$550 + 271 = \square \rightarrow \text{[H]}$
$381 + 429 = \square \rightarrow \text{[A]}$	$100 + 119 = \square \rightarrow \text{[V]}$	$390 + 230 = \square \rightarrow \text{[K]}$
$225 + 343 = \square \rightarrow \text{[F]}$	$428 + 258 = \square \rightarrow \text{[U]}$	$151 + 133 = \square \rightarrow \text{[Y]}$
$202 + 133 = \square \rightarrow \text{[R]}$	$299 + 601 = \square \rightarrow \text{[O]}$	$134 + 97 = \square \rightarrow \text{[C]}$
$261 + 296 = \square \rightarrow \text{[E]}$	$391 + 440 = \square \rightarrow \text{[B]}$	$284 + 332 = \square \rightarrow \text{[N]}$
$92 + 145 = \square \rightarrow \text{[L]}$	$167 + 264 = \square \rightarrow \text{[S]}$	$266 + 148 = \square \rightarrow \text{[D]}$

Scratch space:

CLUE 2 Subtraction

The suspect dropped some iron ingots while fleeing across a rope bridge. Subtract the dropped ingots from their starting stash to reveal the next clue.

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

R																			
375	436	774	754	511	754	570	304	287	847	287	384	596	436	304	774				
		R																	
714	570	375	103	384	115	304	511	754	847	596	570	174	174	384					

$518 - 143 = \square \rightarrow \boxed{\text{R}}$

$540 - 366 = \square \rightarrow \boxed{\text{L}}$

$690 - 254 = \square \rightarrow \boxed{\text{I}}$

$382 - 78 = \square \rightarrow \boxed{\text{N}}$

$272 - 169 = \square \rightarrow \boxed{\text{K}}$

$953 - 357 = \square \rightarrow \boxed{\text{W}}$

$637 - 350 = \square \rightarrow \boxed{\text{D}}$

$1024 - 310 = \square \rightarrow \boxed{\text{M}}$

$611 - 41 = \square \rightarrow \boxed{\text{A}}$

$579 - 195 = \square \rightarrow \boxed{\text{S}}$

$1056 - 282 = \square \rightarrow \boxed{\text{G}}$

$388 - 273 = \square \rightarrow \boxed{\text{O}}$

$1033 - 279 = \square \rightarrow \boxed{\text{H}}$

$899 - 388 = \square \rightarrow \boxed{\text{T}}$

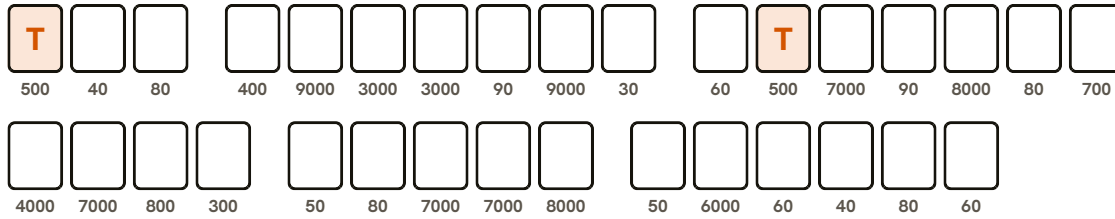
$981 - 134 = \square \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 3 Rounding

Our block-counting radar got hit by a skeleton arrow, so it only shows rounded numbers. Round these block counts to the nearest ten to fix the screen and get the third clue!

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



Round 535 to the nearest hundred → **T**

Round 698 to the nearest hundred → **D**

Round 92 to the nearest ten → **A**

Round 7,106 to the nearest thousand → **R**

Round 26 to the nearest ten → **N**

Round 42 to the nearest ten → **H**

Round 411 to the nearest hundred → **V**

Round 9,462 to the nearest thousand → **I**

Round 3,713 to the nearest thousand → **F**

Round 3,433 to the nearest thousand → **L**

Round 804 to the nearest hundred → **O**

Round 58 to the nearest ten → **S**

Round 54 to the nearest ten → **B**

Round 326 to the nearest hundred → **M**

Round 5,661 to the nearest thousand → **U**

Round 84 to the nearest ten → **E**

Round 8,461 to the nearest thousand → **Y**

Scratch space:

CLUE 4

Multiplication facts (1-12)

The villain ran through a melon farm planted in perfect rows. Multiply the rows of melons to calculate how much food they grabbed, exposing the fourth clue.

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

A				A						A							A	
4	24	77	35	4	56	7	50	10	15	4	9	49	15	35	3	4	24	
						A												
10	15	50	9	7	21	4	72	10	7	77	144							

$4 \times 1 = \square \rightarrow \boxed{\text{A}}$

$10 \times 5 = \square \rightarrow \boxed{\text{F}}$

$5 \times 3 = \square \rightarrow \boxed{\text{E}}$

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

$12 \times 12 = \square \rightarrow \boxed{\text{K}}$

$7 \times 5 = \square \rightarrow \boxed{\text{R}}$

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

$3 \times 8 = \square \rightarrow \boxed{\text{S}}$

$7 \times 8 = \square \rightarrow \boxed{\text{P}}$

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

$10 \times 1 = \square \rightarrow \boxed{\text{L}}$

$8 \times 9 = \square \rightarrow \boxed{\text{B}}$

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

$1 \times 3 = \square \rightarrow \boxed{\text{W}}$

$7 \times 7 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

To escape, the villain split their remaining emeralds equally among several trading villagers. Divide the emeralds to see how many each villager got and crack the final clue!

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:

$44 \div 4 = \boxed{}$

$20 \div 5 = \boxed{}$

$15 \div 5 = \boxed{}$

$48 \div 8 = \boxed{}$

$7 \div 7 = \boxed{}$

$80 \div 10 = \boxed{}$

$48 \div 4 = \boxed{}$

$63 \div 9 = \boxed{}$

$2 \div 1 = \boxed{}$

$25 \div 5 = \boxed{}$

$72 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain lays down a trail of redstone dust, then grips a golden totem of undying.
2. The villain digs with a netherite pickaxe, then grips a golden totem of undying.
3. The villain digs with a netherite pickaxe, then eats a shiny golden apple.
4. The villain teleports using ender pearls, then grips a golden totem of undying.
5. The villain swings a glowing diamond sword, then eats a shiny golden apple.
6. The villain glides around on elytra wings, then pours out a hot bucket of lava.
7. The villain glides around on elytra wings, then eats a shiny golden apple.
8. The villain lays down a trail of redstone dust, then drinks a potion of swiftness.
9. The villain lays down a trail of redstone dust, then pours out a hot bucket of lava.
10. The villain swings a glowing diamond sword, then shoots a blazing fire charge.
11. The villain lays down a trail of redstone dust, then shoots a blazing fire charge.
12. The villain swings a glowing diamond sword, then pours out a hot bucket of lava.

Answer Key

The Mystery of the Missing Dragon Egg

Culprit: Ranboo

Diamond Sword · Fire Charge · Right-handed swinging · Leather Cap · Sweet Berry Bushes

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT CARRY A BUCKET OF LAVA"

$93 + 207 = 300$ (T) · $455 + 448 = 903$ (I) · $550 + 271 = 821$ (H) · $381 + 429 = 810$ (A) · $100 + 119 = 219$ (V) · $390 + 230 = 620$ (K) · $225 + 343 = 568$ (F) · $428 + 258 = 686$ (U) · $151 + 133 = 284$ (Y) · $202 + 133 = 335$ (R) · $299 + 601 = 900$ (O) · $134 + 97 = 231$ (C) · $261 + 296 = 557$ (E) · $391 + 440 = 831$ (B) · $284 + 332 = 616$ (N) · $92 + 145 = 237$ (L) · $167 + 264 = 431$ (S) · $266 + 148 = 414$ (D)

Clue 2 (Subtraction): "RIGHT HANDED SWING MARKS ON THE WALLS"

$518 - 143 = 375$ (R) · $540 - 366 = 174$ (L) · $690 - 254 = 436$ (I) · $382 - 78 = 304$ (N) · $272 - 169 = 103$ (K) · $953 - 357 = 596$ (W) · $637 - 350 = 287$ (D) · $1024 - 310 = 714$ (M) · $611 - 41 = 570$ (A) · $579 - 195 = 384$ (S) · $1056 - 282 = 774$ (G) · $388 - 273 = 115$ (O) · $1033 - 279 = 754$ (H) · $899 - 388 = 511$ (T) · $981 - 134 = 847$ (E)

Clue 3 (Rounding): "THE VILLAIN STRAYED FROM BERRY BUSHES"

Round 535 to the nearest hundred = 500 (T) · Round 698 to the nearest hundred = 700 (D) · Round 92 to the nearest ten = 90 (A) · Round 7,106 to the nearest thousand = 7000 (R) · Round 26 to the nearest ten = 30 (N) · Round 42 to the nearest ten = 40 (H) · Round 411 to the nearest hundred = 400 (V) · Round 9,462 to the nearest thousand = 9000 (I) · Round 3,713 to the nearest thousand = 4000 (F) · Round 3,433 to the nearest thousand = 3000 (L) · Round 804 to the nearest hundred = 800 (O) · Round 58 to the nearest ten = 60 (S) · Round 54 to the nearest ten = 50 (B) · Round 326 to the nearest hundred = 300 (M) · Round 5,661 to the nearest thousand = 6000 (U) · Round 84 to the nearest ten = 80 (E) · Round 8,461 to the nearest thousand = 8000 (Y)

Clue 4 (Multiplication facts (1-12)): "A SCRAP OF LEATHER WAS LEFT ON A BLOCK"

$4 \times 1 = 4$ (A) · $10 \times 5 = 50$ (F) · $5 \times 3 = 15$ (E) · $3 \times 3 = 9$ (T) · $12 \times 12 = 144$ (K) · $7 \times 5 = 35$ (R) · $1 \times 7 = 7$ (O) · $3 \times 8 = 24$ (S) · $7 \times 8 = 56$ (P) · $3 \times 7 = 21$ (N) · $10 \times 1 = 10$ (L) · $8 \times 9 = 72$ (B) · $7 \times 11 = 77$ (C) · $1 \times 3 = 3$ (W) · $7 \times 7 = 49$ (H)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Ranboo

$44 \div 4 = 11$ · $20 \div 5 = 4$ · $15 \div 5 = 3$ · $48 \div 8 = 6$ · $7 \div 7 = 1$ · $80 \div 10 = 8$ · $48 \div 4 = 12$ · $63 \div 9 = 7$ · $2 \div 1 = 2$ · $25 \div 5 = 5$ · $72 \div 8 = 9$