



The Mystery of the Missing Ender Egg

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

Detective: _____ Date: _____

The legendary Ender Dragon Egg has been snatched right off its obsidian pedestal! A mysterious Grief Bandit sneaked into the town square at midnight. The culprit left behind a trail of weird blocks and coded redstone clues. It is up to you to solve the math 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 Grief Bandit is _____

Possible suspects

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

NAME	PRIMARY TOOL	ENCHANTMENT	ACTIVE HAND	HEAD GEAR	COUNTER-ITEM
Joel	redstone torch	feather falling	right-handed	pumpkin head	tamed wolf
Stampy	golden apple	fire aspect	left-handed	pumpkin head	water bucket
Tommy	redstone torch	silk touch	left-handed	pumpkin head	water bucket
Notch	enchanted bow	aqua affinity	left-handed	gold helmet	water bucket
Tubbo	golden apple	silk touch	left-handed	gold helmet	water bucket
Steve	redstone torch	fire aspect	left-handed	creeper mask	tamed wolf
Crafty	netherite pickaxe	fire aspect	left-handed	creeper mask	water bucket
Mumbo	golden apple	feather falling	right-handed	creeper mask	iron golem
Scar	golden apple	blast protection	left-handed	gold helmet	water bucket
Jeb	golden apple	fire aspect	right-handed	pumpkin head	water bucket
Blocky	diamond sword	fire aspect	left-handed	pumpkin head	tamed wolf
Ranboo	enchanted bow	feather falling	right-handed	gold helmet	water bucket
Sparky	netherite pickaxe	fire aspect	right-handed	pumpkin head	water bucket
Diggy	golden apple	fire aspect	left-handed	gold helmet	water bucket
DanTDM	diamond sword	feather falling	left-handed	creeper mask	tamed wolf
Miney	netherite pickaxe	silk touch	left-handed	gold helmet	water bucket
CaptainSparklez	diamond sword	silk touch	right-handed	pumpkin head	water bucket
Grian	enchanted bow	blast protection	left-handed	gold helmet	tamed wolf
Alex	redstone torch	silk touch	left-handed	creeper mask	iron golem
Lizzie	redstone torch	blast protection	left-handed	creeper mask	tamed wolf
Builder	golden apple	feather falling	right-handed	gold helmet	tamed wolf

CLUE 1

We found a broken redstone repeater nearby. Its digital display screen was damaged and could only show rounded numbers. Let us round the signal strength to find the path!

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

600 700 30 400 2000 3000 3000 9000 2000 6000 900 80 30 40 6000 80 600

500 40 30 9000 4000 500 9000 9000 7000 7000 2000 6000 2000 600 50

Round 557 to the nearest hundred $\rightarrow$ **T**

Round 7,077 to the nearest thousand → **F**

Round 8,601 to the nearest thousand → **A**

Round 42 to the nearest ten $\rightarrow$ **S**

Round 429 to the nearest hundred $\rightarrow$

Round 5,631 to the nearest thousand → **N**

Round 500 to the nearest hundred $\rightarrow$

Round 52 to the nearest ten $\rightarrow$ **Y**

Round 893 to the nearest hundred $\rightarrow$ **D**

Round 83 to the nearest ten $\rightarrow$

Round 687 to the nearest hundred $\rightarrow$ **H**

Round 3,003 to the nearest thousand $\rightarrow$

Round 31 to the nearest ten → **E**

Round 2,407 to the nearest thousand →

Round 4,126 to the nearest thousand → **Q**

Scratch space:

CLUE 2

The storage room chest is a mess. We need to add up all the cobble blocks and coal pieces inside to find the hidden compartment code.

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

[illegible]

$$341 + 220 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$498 + 367 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$282 + 404 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$359 + 275 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$287 + 259 = \boxed{} \rightarrow \boxed{\text{I}}$$

$175 + 230 = \boxed{} \rightarrow \boxed{\text{F}}$

$$169 + 301 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$138 + 216 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$660 + 318 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$267 + 579 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$113 + 111 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$354 + 405 = \boxed{} \rightarrow \boxed{\text{H}}$$

$91 + 193 = \boxed{} \rightarrow \boxed{\text{G}}$

Scratch space:

CLUE 3 Subtraction

A creeper blew up part of our inventory! We had a full stack of iron ingots, but some were blasted away. Let us subtract the lost ingots to see what is left.

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

T																		
678	170	853	438	560	819	819	726	560	478	837	638	478	632	726	740	726	141	

						T								T	
333	837	473	842	740	726	678	853	837	554	638	831	297	853	678	632

$884 - 206 = \square \rightarrow \text{T}$	$1109 - 369 = \square \rightarrow \text{W}$	$1105 - 379 = \square \rightarrow \text{A}$
$367 - 34 = \square \rightarrow \text{F}$	$1039 - 202 = \square \rightarrow \text{R}$	$959 - 117 = \square \rightarrow \text{M}$
$869 - 237 = \square \rightarrow \text{S}$	$176 - 35 = \square \rightarrow \text{Y}$	$946 - 127 = \square \rightarrow \text{L}$
$533 - 60 = \square \rightarrow \text{O}$	$856 - 302 = \square \rightarrow \text{B}$	$881 - 50 = \square \rightarrow \text{C}$
$1155 - 302 = \square \rightarrow \text{E}$	$701 - 223 = \square \rightarrow \text{N}$	$706 - 146 = \square \rightarrow \text{I}$
$299 - 2 = \square \rightarrow \text{K}$	$670 - 232 = \square \rightarrow \text{V}$	$720 - 82 = \square \rightarrow \text{U}$
$225 - 55 = \square \rightarrow \text{H}$		

Scratch space:

CLUE 4

Multiplication facts (1-12)

The farmer has planted rows of sweet berries in a neat grid. If we multiply the number of rows by the berries in each row, we can unlock the garden gate.

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

S									S					S								
10	63	42	90	11	108	27	33	18	10	77	54	66	28	10	45	54	5	54				
25	27	80	90	18	42	90	22	63	54	18	42	5	22									

$2 \times 5 = \square \rightarrow \boxed{\text{S}}$

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

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

$5 \times 1 = \square \rightarrow \boxed{\text{R}}$

$7 \times 9 = \square \rightarrow \boxed{\text{H}}$

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

$9 \times 5 = \square \rightarrow \boxed{\text{W}}$

$8 \times 10 = \square \rightarrow \boxed{\text{U}}$

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

$6 \times 3 = \square \rightarrow \boxed{\text{D}}$

$7 \times 6 = \square \rightarrow \boxed{\text{I}}$

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

$3 \times 11 = \square \rightarrow \boxed{\text{L}}$

$11 \times 2 = \square \rightarrow \boxed{\text{T}}$

$9 \times 10 = \square \rightarrow \boxed{\text{N}}$

$6 \times 9 = \square \rightarrow \boxed{\text{E}}$

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

$9 \times 3 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

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

We found a small bag of precious emeralds. If we divide them equally among our adventuring party, we can pay the village cartographer for a map.

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:

$35 \div 7 = \boxed{}$

$32 \div 4 = \boxed{}$

$30 \div 10 = \boxed{}$

$60 \div 5 = \boxed{}$

$30 \div 3 = \boxed{}$

$84 \div 12 = \boxed{}$

$24 \div 6 = \boxed{}$

$63 \div 7 = \boxed{}$

$72 \div 12 = \boxed{}$

$8 \div 8 = \boxed{}$

$4 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain powers up a secret door with a redstone torch, then picks up fragile glass blocks safely.
2. The villain powers up a secret door with a redstone torch, then sets the target block on fire.
3. The villain gains a golden shield by eating a golden apple, then picks up fragile glass blocks safely.
4. The villain shoots glowing arrows with an enchanted bow, then breathes easily while swimming underwater.
5. The villain gains a golden shield by eating a golden apple, then sets the target block on fire.
6. The villain gains a golden shield by eating a golden apple, then lands softly from a very high cliff.
7. The villain breaks obsidian with a netherite pickaxe, then lands softly from a very high cliff.
8. The villain breaks obsidian with a netherite pickaxe, then picks up fragile glass blocks safely.
9. The villain shoots glowing arrows with an enchanted bow, then picks up fragile glass blocks safely.
10. The villain gains a golden shield by eating a golden apple, then breathes easily while swimming underwater.
11. The villain gains a golden shield by eating a golden apple, then survives a sudden tnt explosion.
12. The villain slashes with a diamond sword, then breathes easily while swimming underwater.

Answer Key

The Mystery of the Missing Ender Egg

Culprit: Scar

golden apple · blast protection · left-handed · gold helmet · water bucket

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE AQUA AFFINITY"

Round 557 to the nearest hundred = 600 (T) · Round 7,077 to the nearest thousand = 7000 (F) · Round 8,601 to the nearest thousand = 9000 (A) · Round 42 to the nearest ten = 40 (S) · Round 429 to the nearest hundred = 400 (V) · Round 5,631 to the nearest thousand = 6000 (N) · Round 500 to the nearest hundred = 500 (U) · Round 52 to the nearest ten = 50 (Y) · Round 893 to the nearest hundred = 900 (D) · Round 83 to the nearest ten = 80 (O) · Round 687 to the nearest hundred = 700 (H) · Round 3,003 to the nearest thousand = 3000 (L) · Round 31 to the nearest ten = 30 (E) · Round 2,407 to the nearest thousand = 2000 (I) · Round 4,126 to the nearest thousand = 4000 (Q)

Clue 2 (Addition): "THE VILLAIN SWINGS WITH THE LEFT HAND"

$341 + 220 = 561$ (T) · $498 + 367 = 865$ (D) · $282 + 404 = 686$ (S) · $359 + 275 = 634$ (V) · $287 + 259 = 546$ (I) · $175 + 230 = 405$ (F) · $169 + 301 = 470$ (W) · $138 + 216 = 354$ (A) · $660 + 318 = 978$ (L) · $267 + 579 = 846$ (E) · $113 + 111 = 224$ (N) · $354 + 405 = 759$ (H) · $91 + 193 = 284$ (G)

Clue 3 (Subtraction): "THE VILLAIN RUNS AWAY FROM WATER BUCKETS"

$884 - 206 = 678$ (T) · $1109 - 369 = 740$ (W) · $1105 - 379 = 726$ (A) · $367 - 34 = 333$ (F) · $1039 - 202 = 837$ (R) · $959 - 117 = 842$ (M) · $869 - 237 = 632$ (S) · $176 - 35 = 141$ (Y) · $946 - 127 = 819$ (L) · $533 - 60 = 473$ (O) · $856 - 302 = 554$ (B) · $881 - 50 = 831$ (C) · $1155 - 302 = 853$ (E) · $701 - 223 = 478$ (N) · $706 - 146 = 560$ (I) · $299 - 2 = 297$ (K) · $670 - 232 = 438$ (V) · $720 - 82 = 638$ (U) · $225 - 55 = 170$ (H)

Clue 4 (Multiplication facts (1-12)): "SHINY GOLD SPECKS WERE FOUND IN THE DIRT"

$2 \times 5 = 10$ (S) · $12 \times 9 = 108$ (G) · $7 \times 11 = 77$ (P) · $5 \times 1 = 5$ (R) · $7 \times 9 = 63$ (H) · $5 \times 5 = 25$ (F) · $9 \times 5 = 45$ (W) · $8 \times 10 = 80$ (U) · $7 \times 4 = 28$ (K) · $6 \times 3 = 18$ (D) · $7 \times 6 = 42$ (I) · $11 \times 6 = 66$ (C) · $3 \times 11 = 33$ (L) · $11 \times 2 = 22$ (T) · $9 \times 10 = 90$ (N) · $6 \times 9 = 54$ (E) · $11 \times 1 = 11$ (Y) · $9 \times 3 = 27$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Scar

$35 \div 7 = 5$ · $32 \div 4 = 8$ · $30 \div 10 = 3$ · $60 \div 5 = 12$ · $30 \div 3 = 10$ · $84 \div 12 = 7$ · $24 \div 6 = 4$ · $63 \div 7 = 9$ · $72 \div 12 = 6$ · $8 \div 8 = 1$ · $4 \div 2 = 2$