

The Mystery of the Missing Ender Dragon Egg

Grade 2 math · Addition, Skip counting, Place value, Subtraction, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The rare Ender Dragon Egg has vanished from the town square! A sneaky thief snuck past the iron golems, mined through the protective obsidian walls, and escaped into the dark nether. It is up to you to decode the clues and find out who did it!

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 block thief is _____

Possible suspects

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

NAME	TOOL OF CHOICE	SPECIAL POTION	HOLDING HAND	HELMET TYPE	WORST FEAR
Antfrost	Diamond Pickaxe	Potion of Fire Resistance	Right-handed builder	Golden Helmet	Bucket of Water
Pearl	Golden Shovel	Potion of Swifttness	Right-handed builder	Diamond Helmet	Splash Potion of Poison
Tubbo	Iron Axe	Potion of Fire Resistance	Left-handed builder	Golden Helmet	Splash Potion of Poison
Mumbo	Netherite Sword	Potion of Fire Resistance	Right-handed builder	Golden Helmet	Bucket of Water
Tommy	Netherite Sword	Potion of Invisibility	Right-handed builder	Iron Helmet	Meowing Cat
George	Netherite Sword	Potion of Swifttness	Right-handed builder	Diamond Helmet	Bucket of Water
Stampy	Diamond Pickaxe	Potion of Invisibility	Left-handed builder	Golden Helmet	Splash Potion of Poison
Scar	Iron Axe	Potion of Invisibility	Right-handed builder	Diamond Helmet	Bucket of Water
Puffy	Iron Axe	Potion of Swifttness	Right-handed builder	Iron Helmet	Meowing Cat
Ranboo	Iron Axe	Potion of Healing	Left-handed builder	Golden Helmet	Splash Potion of Poison
Alex	Golden Shovel	Potion of Healing	Left-handed builder	Golden Helmet	Splash Potion of Poison
Sparklez	Iron Axe	Potion of Swifttness	Left-handed builder	Diamond Helmet	Splash Potion of Poison
Bdubs	Diamond Pickaxe	Potion of Healing	Left-handed builder	Golden Helmet	Bucket of Water
Lizzie	Netherite Sword	Potion of Swifttness	Left-handed builder	Diamond Helmet	Splash Potion of Poison
Steve	Golden Shovel	Potion of Healing	Left-handed builder	Diamond Helmet	Meowing Cat
Joel	Enchanted Bow	Potion of Water Breathing	Left-handed builder	Iron Helmet	Splash Potion of Poison
Sam	Netherite Sword	Potion of Healing	Left-handed builder	Diamond Helmet	Bucket of Water
DanTDM	Enchanted Bow	Potion of Healing	Left-handed builder	Diamond Helmet	Splash Potion of Poison
Sapnap	Iron Axe	Potion of Fire Resistance	Left-handed builder	Golden Helmet	Bucket of Water
Philza	Golden Shovel	Potion of Swifttness	Right-handed builder	Golden Helmet	Splash Potion of Poison
Gemini	Diamond Pickaxe	Potion of Swifttness	Left-handed builder	Golden Helmet	Splash Potion of Poison

CLUE 1 Addition

We need to count our building blocks. Let us add the red blocks and green blocks together to see what we have!

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

T															
83	24	58	64	75	94	94	78	75	60	24	78	63	60	79	
										T				T	
75	60	64	75	63	75	34	75	94	75	83	53	59	79	83	75
															60

$35 + 48 = \square \rightarrow$ T	$18 + 41 = \square \rightarrow$ P	$21 + 37 = \square \rightarrow$ E
$42 + 22 = \square \rightarrow$ V	$15 + 9 = \square \rightarrow$ H	$34 + 60 = \square \rightarrow$ L
$32 + 43 = \square \rightarrow$ I	$26 + 53 = \square \rightarrow$ O	$51 + 27 = \square \rightarrow$ A
$18 + 42 = \square \rightarrow$ N	$28 + 25 = \square \rightarrow$ Y	$19 + 15 = \square \rightarrow$ B
$36 + 27 = \square \rightarrow$ S		

Scratch space:

CLUE 2 Skip counting

The torches are placed in long rows of five. We can skip count by fives to find the total very fast.

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

T								T					T					
10	42	30	50	42	8	45	10	120	30	15	10	45	33	8	20	9		
								T										
90	18	20	26	45	8	65	10	42	30	120	30	15	10					

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **W**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **G**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **H**

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **F**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 → **A**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **L**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **S**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **K**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 → **E**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110

→

M

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30

→

R

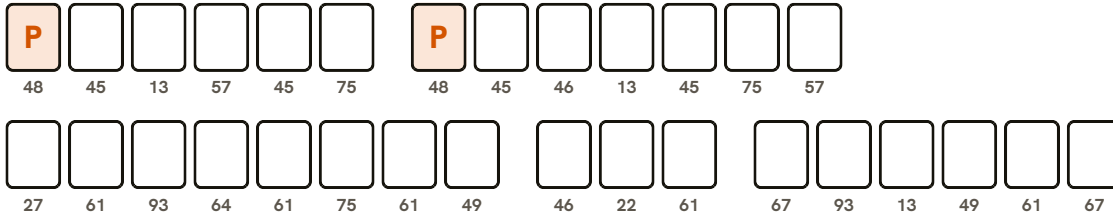
Scratch space:

CLUE 3

Place value

Look at this pile of coal. Some are in big chests of ten and some are single blocks. Let us find the place value!

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



What number has 4 tens and 8 ones?

→

P

What number has 4 tens and 9 ones?

→

D

What number has 2 tens and 2 ones?

→

H

What number has 5 tens and 7 ones?

→

S

What number has 2 tens and 7 ones?

→

W

What number has 4 tens and 6 ones?

→

T

What number has 9 tens and 3 ones?

→

A

What number has 7 tens and 5 ones?

→

N

What number has 6 tens and 7 ones?

→

R

What number has 6 tens and 1 one?

→

E

What number has 6 tens and 4 ones?

→

K

What number has 4 tens and 5 ones?

→

O

What number has 1 ten and 3 ones?

→

I

Scratch space:

CLUE 4

Subtraction

A sneaky Creeper blew up near our farm. We must subtract the broken fences from our total to see what is left.

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

A				A														
26	85	63	36	26	71	56	62	85	85	18	63	31	21	36	63	71	36	55

			A					A						
29	80	54	26	55	80	21	73	26	29	63	36	19	55	

$42 - 16 = \square \rightarrow \boxed{\text{A}}$

$81 - 19 = \square \rightarrow \boxed{\text{N}}$

$104 - 19 = \square \rightarrow \boxed{\text{G}}$

$66 - 10 = \square \rightarrow \boxed{\text{I}}$

$86 - 6 = \square \rightarrow \boxed{\text{C}}$

$70 - 16 = \square \rightarrow \boxed{\text{R}}$

$76 - 21 = \square \rightarrow \boxed{\text{T}}$

$40 - 9 = \square \rightarrow \boxed{\text{D}}$

$34 - 16 = \square \rightarrow \boxed{\text{O}}$

$89 - 26 = \square \rightarrow \boxed{\text{L}}$

$78 - 5 = \square \rightarrow \boxed{\text{W}}$

$40 - 19 = \square \rightarrow \boxed{\text{H}}$

$86 - 15 = \square \rightarrow \boxed{\text{M}}$

$36 - 7 = \square \rightarrow \boxed{\text{S}}$

$51 - 32 = \square \rightarrow \boxed{\text{F}}$

$67 - 31 = \square \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 5**Missing addends - the last clue**

We want to build a tall tower of ten blocks. We only have six blocks. How many more do we need to finish it?

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:

$3 + \underline{\quad} = 8$

$4 + \underline{\quad} = 13$

$9 + \underline{\quad} = 15$

$4 + \underline{\quad} = 16$

$4 + \underline{\quad} = 6$

$1 + \underline{\quad} = 5$

$5 + \underline{\quad} = 12$

$7 + \underline{\quad} = 15$

$5 + \underline{\quad} = 6$

$7 + \underline{\quad} = 17$

$2 + \underline{\quad} = 13$

Step 2 - cross out the sentence with each answer:

1. The villain shot a target switch with a bow, then healed up from falling damage.
2. The villain shot a target switch with a bow, then swam through lava with fire resistance.
3. The villain mined through the wall with a pickaxe, then dashed away with extra speed.
4. The villain slashed the chest with a sword, then hid underwater for an hour.
5. The villain chopped the oak door with an axe, then swam through lava with fire resistance.
6. The villain dug a secret tunnel with a shovel, then healed up from falling damage.
7. The villain chopped the oak door with an axe, then dashed away with extra speed.
8. The villain mined through the wall with a pickaxe, then swam through lava with fire resistance.
9. The villain chopped the oak door with an axe, then healed up from falling damage.
10. The villain mined through the wall with a pickaxe, then hid underwater for an hour.
11. The villain dug a secret tunnel with a shovel, then hid underwater for an hour.
12. The villain chopped the oak door with an axe, then vanished completely from sight.

Answer Key

The Mystery of the Missing Ender Dragon Egg

Culprit: Gemini

Diamond Pickaxe · Potion of Swiftmess · Left-handed builder · Golden Helmet · Splash Potion of Poison

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN HAS NO INVISIBILITY POTION"

$35 + 48 = 83$ (T) · $18 + 41 = 59$ (P) · $21 + 37 = 58$ (E) · $42 + 22 = 64$ (V) · $15 + 9 = 24$ (H) · $34 + 60 = 94$ (L) · $32 + 43 = 75$ (I) · $26 + 53 = 79$ (O) · $51 + 27 = 78$ (A) · $18 + 42 = 60$ (N) · $28 + 25 = 53$ (Y) · $19 + 15 = 34$ (B) · $36 + 27 = 63$ (S)

Clue 2 (Skip counting): "THE GHOST LEFT SWORD MARKS ON THE LEFT"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (G) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (H) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (K) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (M) · Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 = 20 (R)

Clue 3 (Place value): "POISON POTIONS WEAKENED THE RAIDER"

What number has 4 tens and 8 ones? = 48 (P) · What number has 4 tens and 9 ones? = 49 (D) · What number has 2 tens and 2 ones? = 22 (H) · What number has 5 tens and 7 ones? = 57 (S) · What number has 2 tens and 7 ones? = 27 (W) · What number has 4 tens and 6 ones? = 46 (T) · What number has 9 tens and 3 ones? = 93 (A) · What number has 7 tens and 5 ones? = 75 (N) · What number has 6 tens and 7 ones? = 67 (R) · What number has 6 tens and 1 one? = 61 (E) · What number has 6 tens and 4 ones? = 64 (K) · What number has 4 tens and 5 ones? = 45 (O) · What number has 1 ten and 3 ones? = 13 (I)

Clue 4 (Subtraction): "A GLEAMING GOLD HELMET SCRATCH WAS LEFT"

$42 - 16 = 26$ (A) · $81 - 19 = 62$ (N) · $104 - 19 = 85$ (G) · $66 - 10 = 56$ (I) · $86 - 6 = 80$ (C) · $70 - 16 = 54$ (R) · $76 - 21 = 55$ (T) · $40 - 9 = 31$ (D) · $34 - 16 = 18$ (O) · $89 - 26 = 63$ (L) · $78 - 5 = 73$ (W) · $40 - 19 = 21$ (H) · $86 - 15 = 71$ (M) · $36 - 7 = 29$ (S) · $51 - 32 = 19$ (F) · $67 - 31 = 36$ (E)

Clue 5 (Missing addends): surviving statement is box 3 → Gemini

$3 + \underline{\quad} = 8 = 5$ · $4 + \underline{\quad} = 13 = 9$ · $9 + \underline{\quad} = 15 = 6$ · $4 + \underline{\quad} = 16 = 12$ · $4 + \underline{\quad} = 6 = 2$ · $1 + \underline{\quad} = 5 = 4$ · $5 + \underline{\quad} = 12 = 7$ · $7 + \underline{\quad} = 15 = 8$ · $5 + \underline{\quad} = 6 = 1$ · $7 + \underline{\quad} = 17 = 10$ · $2 + \underline{\quad} = 13 = 11$