



The Mystery of the Missing Master Build

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

Detective: _____ Date: _____

Someone snuck into the Master Builder's private sanctuary and swiped the sacred Golden Pickaxe! The suspect left behind a trail of blocky footprints and mysterious clues scattered across the server. Grab your iron sword and let's solve this mystery!

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	HELD TOOL	POCKET ITEM	DOMINANT HAND	CHARACTER HAIR	FEAR
BuilderBen	diamond sword	ender pearls	right handed	steve hair	splash water potion
Aphmau	stone axe	netherite boots	right handed	steve hair	splash water potion
BlockyBob	stone axe	ender pearls	right handed	alex braid	splash water potion
EnderEmma	firework crossbow	potion of swiftness	left handed	creeper hood	splash water potion
Steve	bow and arrow	potion of swiftness	right handed	steve hair	splash water potion
PixelPete	bow and arrow	elytra wings	right handed	creeper hood	splash water potion
DiggingDan	enchanted trident	ender pearls	left handed	alex braid	snowballs
Grian	diamond sword	potion of swiftness	left handed	alex braid	splash water potion
Sparky	enchanted trident	elytra wings	right handed	alex braid	tamed wolf
MineyMax	diamond sword	ender pearls	right handed	steve hair	tamed wolf
CraftyChloe	stone axe	potion of swiftness	left handed	alex braid	splash water potion
CobbleChris	diamond sword	ender pearls	right handed	alex braid	snowballs
Mumbo	enchanted trident	netherite boots	right handed	alex braid	snowballs
PopularMMOs	bow and arrow	totem of undying	right handed	alex braid	snowballs
Alex	diamond sword	potion of swiftness	right handed	steve hair	splash water potion
Stampy	bow and arrow	potion of swiftness	left handed	steve hair	splash water potion
DiamondDave	bow and arrow	elytra wings	right handed	creeper hood	snowballs
RedstoneRay	firework crossbow	totem of undying	right handed	alex braid	splash water potion
DanTDM	diamond sword	elytra wings	right handed	steve hair	splash water potion
LDShadowLady	bow and arrow	netherite boots	right handed	alex braid	snowballs
Notch	firework crossbow	ender pearls	left handed	alex braid	snowballs

CLUE 1

Rounding

A damaged redstone radar screen shows a rounded number of blocks where the thief escaped.

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

T																T	
170	9000	4300	230	1300	300	300	2000	1300	370	2900	70	4300	30	370	70	170	
						T					T				T		
2300	4300	2000	50	370	4300	170	9000	4300	50	1300	170	4300	3700	70	70	170	30

Round 167 to the nearest ten → **T**

Round 1,329 to the nearest hundred → **I**

Round 2,887 to the nearest hundred → **D**

Round 370 to the nearest ten → **N**

Round 47 to the nearest ten → **R**

Round 1,858 to the nearest thousand → **A**

Round 26 to the nearest ten → **S**

Round 267 to the nearest hundred → **L**

Round 3,708 to the nearest hundred → **B**

Round 228 to the nearest ten → **V**

Round 2,257 to the nearest hundred → **W**

Round 71 to the nearest ten → **O**

Round 4,347 to the nearest hundred → **E**

Round 8,641 to the nearest thousand → **H**

Scratch space:

CLUE 2 Addition

We found a chest with small piles of iron. Adding them up tells us who was nearby.

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

T									T					T		
6271	6572	7384	9846	2107	9846	2799	7384	5688	6271	6572	7384	4492	7326	6271	6572	7384

T							T		T						T	
6271	6570	8492	5688	6572	3048	4302	6271	6572	6271	6572	7384	8492	4302	6416	6572	6271

6572	2675	5002	7326

$3067 + 3204 = \square \rightarrow \text{T}$	$4166 + 2406 = \square \rightarrow \text{H}$	$3605 + 3779 = \square \rightarrow \text{E}$
$940 + 1167 = \square \rightarrow \text{U}$	$3272 + 3144 = \square \rightarrow \text{G}$	$1627 + 1048 = \square \rightarrow \text{A}$
$1756 + 1043 = \square \rightarrow \text{P}$	$2913 + 1579 = \square \rightarrow \text{L}$	$3841 + 2729 = \square \rightarrow \text{O}$
$3152 + 2536 = \square \rightarrow \text{C}$	$3052 + 4274 = \square \rightarrow \text{D}$	$1850 + 3152 = \square \rightarrow \text{N}$
$2213 + 2089 = \square \rightarrow \text{I}$	$1242 + 1806 = \square \rightarrow \text{W}$	$5994 + 3852 = \square \rightarrow \text{S}$
$3803 + 4689 = \square \rightarrow \text{R}$		

Scratch space:

Subtraction

The thief dropped some carrots from their inventory. Subtracting the lost food gives us a clue.

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

[illegible]

$$4024 - 1123 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$7462 - 2640 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$8497 - 1571 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$7966 - 1660 = \boxed{} \rightarrow \boxed{\mathbf{Y}}$$

$$6876 - 3301 = \boxed{} \rightarrow \boxed{}$$

$12266 - 4630 = \boxed{} \rightarrow \boxed{\text{E}}$

$$8818 - 4468 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$8958 - 4883 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$9365 - 4087 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$11806 - 4203 = \boxed{} \rightarrow \boxed{\text{L}}$$

$7712 - 1389 = \boxed{} \rightarrow \boxed{\text{F}}$

$$4380 - 1917 = \boxed{} \rightarrow \boxed{0}$$

9826 - 2453 = → **A**

$$9057 - 3278 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$8642 - 1086 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

9291 - 1578 = → **N**

Scratch space:

CLUE 4

Multiplication facts (1-12)

We count rows of pumpkin seeds in the greenhouse. Multiplying the rows uncovers a secret print.

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

A															
33	8	72	18	30	81	21	30	18	15	14	8	81	45	7	45
	A								A						
72	33	120	30	8	100	120	14	15	33	8	55	18	27	14	32

$11 \times 3 =$

→

A

$9 \times 5 =$

→

E

$9 \times 9 =$

→

T

$3 \times 7 =$

→

B

$5 \times 3 =$

→

W

$7 \times 1 =$

→

V

$10 \times 10 =$

→

K

$12 \times 10 =$

→

I

$9 \times 3 =$

→

U

$8 \times 9 =$

→

H

$10 \times 3 =$

→

R

$3 \times 6 =$

→

O

$2 \times 4 =$

→

S

$4 \times 8 =$

→

D

$2 \times 7 =$

→

N

$5 \times 11 =$

→

F

Scratch space:

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

The builder wants to share some leftover cookies. Dividing them equally reveals the final hint.

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:

$132 \div 11 = \boxed{}$

$25 \div 5 = \boxed{}$

$121 \div 11 = \boxed{}$

$2 \div 2 = \boxed{}$

$63 \div 9 = \boxed{}$

$36 \div 12 = \boxed{}$

$120 \div 12 = \boxed{}$

$44 \div 11 = \boxed{}$

$54 \div 9 = \boxed{}$

$36 \div 4 = \boxed{}$

$8 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain places a sticky piston, then runs super fast away.
2. The villain breaks a diamond block, then flies up into the clouds.
3. The villain explodes a tnt block, then glows with gold light.
4. The villain digs a tunnel, then stomps on the crops.
5. The villain digs a tunnel, then runs super fast away.
6. The villain breaks a diamond block, then stomps on the crops.
7. The villain digs a tunnel, then flies up into the clouds.
8. The villain explodes a tnt block, then stomps on the crops.
9. The villain places a sticky piston, then teleports away instantly.
10. The villain places a sticky piston, then stomps on the crops.
11. The villain breaks a diamond block, then teleports away instantly.
12. The villain breaks a diamond block, then runs super fast away.

Answer Key

The Mystery of the Missing Master Build

Culprit: DanTDM

diamond sword · elytra wings · right handed · steve hair · splash water potion

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR NETHERITE BOOTS"

Round 167 to the nearest ten = 170 (T) · Round 1,329 to the nearest hundred = 1300 (I) · Round 2,887 to the nearest hundred = 2900 (D) · Round 370 to the nearest ten = 370 (N) · Round 47 to the nearest ten = 50 (R) · Round 1,858 to the nearest thousand = 2000 (A) · Round 26 to the nearest ten = 30 (S) · Round 267 to the nearest hundred = 300 (L) · Round 3,708 to the nearest hundred = 3700 (B) · Round 228 to the nearest ten = 230 (V) · Round 2,257 to the nearest hundred = 2300 (W) · Round 71 to the nearest ten = 70 (O) · Round 4,347 to the nearest hundred = 4300 (E) · Round 8,641 to the nearest thousand = 9000 (H)

Clue 2 (Addition): "THE SUSPECT HELD THE TORCH WITH THE RIGHT HAND"

$3067 + 3204 = 6271$ (T) · $4166 + 2406 = 6572$ (H) · $3605 + 3779 = 7384$ (E) · $940 + 1167 = 2107$ (U) · $3272 + 3144 = 6416$ (G) · $1627 + 1048 = 2675$ (A) · $1756 + 1043 = 2799$ (P) · $2913 + 1579 = 4492$ (L) · $3841 + 2729 = 6570$ (O) · $3152 + 2536 = 5688$ (C) · $3052 + 4274 = 7326$ (D) · $1850 + 3152 = 5002$ (N) · $2213 + 2089 = 4302$ (I) · $1242 + 1806 = 3048$ (W) · $5994 + 3852 = 9846$ (S) · $3803 + 4689 = 8492$ (R)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM A SPLASH WATER POTION"

$4024 - 1123 = 2901$ (T) · $7462 - 2640 = 4822$ (R) · $8497 - 1571 = 6926$ (M) · $7966 - 1660 = 6306$ (Y) · $6876 - 3301 = 3575$ (I) · $12266 - 4630 = 7636$ (E) · $8818 - 4468 = 4350$ (P) · $8958 - 4883 = 4075$ (H) · $9365 - 4087 = 5278$ (S) · $11806 - 4203 = 7603$ (L) · $7712 - 1389 = 6323$ (F) · $4380 - 1917 = 2463$ (O) · $9826 - 2453 = 7373$ (A) · $9057 - 3278 = 5779$ (W) · $8642 - 1086 = 7556$ (V) · $9291 - 1578 = 7713$ (N)

Clue 4 (Multiplication facts (1-12)): "A SHORT BROWN STEVE HAIR SKIN WAS FOUND"

$11 \times 3 = 33$ (A) · $9 \times 5 = 45$ (E) · $9 \times 9 = 81$ (T) · $3 \times 7 = 21$ (B) · $5 \times 3 = 15$ (W) · $7 \times 1 = 7$ (V) · $10 \times 10 = 100$ (K) · $12 \times 10 = 120$ (I) · $9 \times 3 = 27$ (U) · $8 \times 9 = 72$ (H) · $10 \times 3 = 30$ (R) · $3 \times 6 = 18$ (O) · $2 \times 4 = 8$ (S) · $4 \times 8 = 32$ (D) · $2 \times 7 = 14$ (N) · $5 \times 11 = 55$ (F)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → DanTDM

$132 \div 11 = 12$ · $25 \div 5 = 5$ · $121 \div 11 = 11$ · $2 \div 2 = 1$ · $63 \div 9 = 7$ · $36 \div 12 = 3$ · $120 \div 12 = 10$ · $44 \div 11 = 4$ · $54 \div 9 = 6$ · $36 \div 4 = 9$ · $8 \div 1 = 8$