



The Golden Idol Swindle

Grade 3 math · Rounding, Bar models, Skip counting, Place value, Missing addends · Reading level grades 3-4

Detective: _____ Date: _____

A sneaky snatcher snuck into the jungle camp and snatched the ancient golden idol! Explorer Pip needs your detective skills to clear the innocent expedition members 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 Sneaky Snatcher is _____

Possible suspects

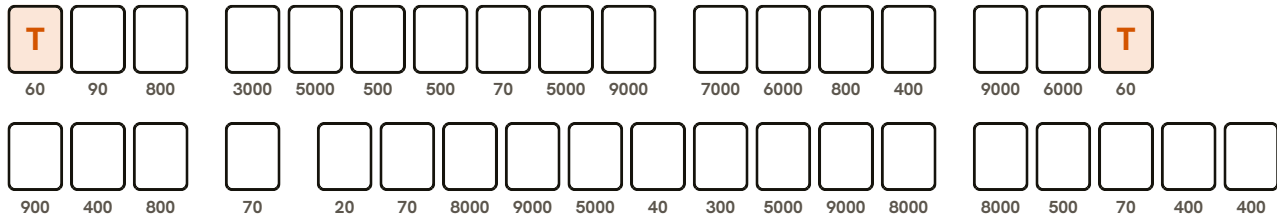
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	ESCAPE GEAR	JUNGLE TOOL	DOMINANT HAND	HAIR STYLE	TRICKED BY
Grace	Rope Ladder	Flashlight	Left Handed	Braided Blonde Hair	Bright Light
Sam	Smoke Bomb	Map Scroll	Right Handed	Spiky Black Hair	Bright Light
Chloe	Rope Ladder	Flashlight	Right Handed	Braided Blonde Hair	Squeaky Toy
Ruby	Smoke Bomb	Flashlight	Left Handed	Curly Red Hair	Sneeze Powder
Zoe	Grappling Hook	Flashlight	Right Handed	Spiky Black Hair	Squeaky Toy
Lily	Boomerang	Magnifying Glass	Right Handed	Spiky Black Hair	Bright Light
Caleb	Grappling Hook	Flashlight	Right Handed	Braided Blonde Hair	Sneeze Powder
Ella	Glider Wings	Map Scroll	Left Handed	Curly Red Hair	Sneeze Powder
Lucas	Boomerang	Binoculars	Left Handed	Braided Blonde Hair	Sneeze Powder
Ava	Rope Ladder	Binoculars	Right Handed	Braided Blonde Hair	Bright Light
Oliver	Smoke Bomb	Magnifying Glass	Left Handed	Braided Blonde Hair	Sneeze Powder
Mason	Glider Wings	Map Scroll	Left Handed	Curly Red Hair	Squeaky Toy
Maya	Rope Ladder	Flashlight	Left Handed	Spiky Black Hair	Bright Light
Noah	Grappling Hook	Magnifying Glass	Right Handed	Spiky Black Hair	Bright Light
Henry	Grappling Hook	Map Scroll	Right Handed	Curly Red Hair	Sneeze Powder
Wyatt	Smoke Bomb	Compass	Left Handed	Braided Blonde Hair	Sneeze Powder
Mia	Boomerang	Compass	Left Handed	Braided Blonde Hair	Sneeze Powder
Jack	Smoke Bomb	Binoculars	Left Handed	Braided Blonde Hair	Sneeze Powder
Ethan	Rope Ladder	Map Scroll	Right Handed	Spiky Black Hair	Sneeze Powder
Sofia	Rope Ladder	Magnifying Glass	Left Handed	Braided Blonde Hair	Bright Light
Isla	Rope Ladder	Binoculars	Left Handed	Spiky Black Hair	Sneeze Powder

CLUE 1 Rounding

Explorer Pip compares supply crates using bar models to see who carried away extra gear.

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



Round 62 to the nearest ten → **T**

Round 7,125 to the nearest thousand → **D**

Round 93 to the nearest ten → **H**

Round 22 to the nearest ten → **M**

Round 36 to the nearest ten → **F**

Round 6,377 to the nearest thousand → **O**

Round 2,907 to the nearest thousand → **V**

Round 8,035 to the nearest thousand → **G**

Round 351 to the nearest hundred → **S**

Round 8,841 to the nearest thousand → **N**

Round 494 to the nearest hundred → **L**

Round 5,143 to the nearest thousand → **I**

Round 942 to the nearest hundred → **U**

Round 336 to the nearest hundred → **Y**

Round 72 to the nearest ten → **A**

Round 825 to the nearest hundred → **E**

Scratch space:

CLUE 2

Bar model word problems

The camp radar rounds path distances to the nearest ten to map the runaway footprints.

Draw a bar model to solve each word problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

L									D		D
54	57	16	7	49	60	27			57		

.

There were 84 golden coins in all. 30 golden coins were used. How many golden coins are left?

draw a bar model

Answer: → **L**

Explorer Pip shares 180 coconut canteens equally among 3 teams. How many coconut canteens does each team get?

draw a bar model

Answer: → **A**

Explorer Pip has 228 coconut canteens, packed 4 to a bag. How many bags can be filled?

draw a bar model

Answer: → **E**

Explorer Pip shares 54 golden coins equally among 2 teams. How many golden coins does each team get?

draw a bar model

Answer: → **N**

Explorer Pip shares 70 ruby gems equally among 10 teams. How many ruby gems does each team get?

draw a bar model

Answer: → **T**

Explorer Pip shares 196 ruby gems equally among 4 teams. How many ruby gems does each team get?

draw a bar model

Answer: → **H**

Explorer Pip has 48 jungle maps, packed 3 to a bag. How many bags can be filled?

draw a bar model

Answer: → **F**

CLUE 3

Skip counting

Pip skip counts vine markings along the muddy riverbank to follow the escape trail.

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

S																		
50	12	30	30	10	30	26	39	70	20	30	140	42	25	20	30	36	14	30
130	21	110	110	25	21	12	20	140	39	26	36	14	30	42	25	26		

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60

→ S

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18

→ H

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35

→ A

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160

→ R

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

→ P

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

→ M

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45

→ O

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40

→ E

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16

→ N

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130

→ L

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90

→ W

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27

→ I

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42

→ T

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **V**

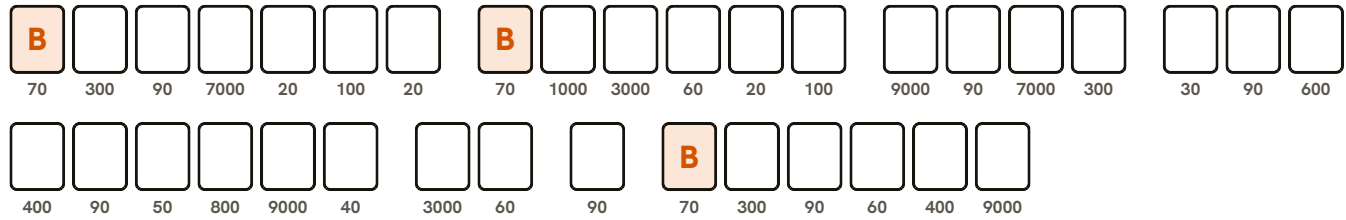
Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 → **D**

Scratch space:

CLUE 4

The scout reads place value blocks carved on the temple stone to break the mystery code.

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



What is the value of the 7 in 375?

What is the value of the 5 in 354?

A diagram showing a transformation. On the left is a simple rectangular box. An arrow points from this box to another rectangular box on the right. Inside the second box is the letter 'U'.

What is the value of the 8 in 864?

A diagram showing a box with an arrow pointing to a box labeled **G**.

What is the value of the 3 in 4,738?

3? → **W**

What is the value of the 6 in 867?

A diagram showing a box with an arrow pointing to a box labeled **N**.

What is the value of the 3 in 355?

A diagram showing a box with an arrow pointing to a box labeled **R**.

What is the value of the 6 in 641?

A diagram showing a transformation. On the left is a simple rectangular box. An arrow points from this box to another rectangular box on the right. Inside the second box is the letter 'S'.

What is the value of the 3 in 3,465?

5? → ☒ 0

What is the value of the 1 in 194?

A diagram showing a box with an arrow pointing to a box labeled 'E'.

What is the value of the 4 in 466?

A diagram showing a box with an arrow pointing to a box labeled 'C'.

What is the value of the 9 in 4,792?

2? → **A**

What is the value of the 2 in 925?

5? → **D**

What is the value of the 9 in 9,412?

? → **H**

What is the value of the 7 in 87,968?

968? $\rightarrow$

What is the value of the 4 in 641?

What is the value of the 1 in 1,959?

9? → **L**

Scratch space:

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

Pip counts coin piles and solves missing addends to calculate the missing treasure.

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:

$5 + \underline{\quad} = 14$

$5 + \underline{\quad} = 16$

$7 + \underline{\quad} = 12$

$5 + \underline{\quad} = 11$

$1 + \underline{\quad} = 4$

$3 + \underline{\quad} = 5$

$8 + \underline{\quad} = 20$

$4 + \underline{\quad} = 8$

$4 + \underline{\quad} = 11$

$4 + \underline{\quad} = 5$

$9 + \underline{\quad} = 17$

Step 2 - cross out the sentence with each answer:

1. The villain dropped a rope ladder, then shone a flashlight.
2. The villain swung on a grappling hook, then checked a compass.
3. The villain threw a smoke bomb, then shone a flashlight.
4. The villain soared on glider wings, then used a magnifying glass.
5. The villain threw a smoke bomb, then checked a compass.
6. The villain threw a smoke bomb, then used a magnifying glass.
7. The villain soared on glider wings, then unrolled a map scroll.
8. The villain swung on a grappling hook, then looked through binoculars.
9. The villain threw a smoke bomb, then looked through binoculars.
10. The villain tossed a boomerang, then checked a compass.
11. The villain tossed a boomerang, then looked through binoculars.
12. The villain dropped a rope ladder, then unrolled a map scroll.

Answer Key

The Golden Idol Swindle

Culprit: Mia

Boomerang · Compass · Left Handed · Braided Blonde Hair · Sneeze Powder

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

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A MAGNIFYING GLASS"

Round 62 to the nearest ten = 60 (T) · Round 7,125 to the nearest thousand = 7000 (D) · Round 93 to the nearest ten = 90 (H) · Round 22 to the nearest ten = 20 (M) · Round 36 to the nearest ten = 40 (F) · Round 6,377 to the nearest thousand = 6000 (O) · Round 2,907 to the nearest thousand = 3000 (V) · Round 8,035 to the nearest thousand = 8000 (G) · Round 351 to the nearest hundred = 400 (S) · Round 8,841 to the nearest thousand = 9000 (N) · Round 494 to the nearest hundred = 500 (L) · Round 5,143 to the nearest thousand = 5000 (I) · Round 942 to the nearest hundred = 900 (U) · Round 336 to the nearest hundred = 300 (Y) · Round 72 to the nearest ten = 70 (A) · Round 825 to the nearest hundred = 800 (E)

Clue 2 (Bar model word problems): "LEFT HANDED"

There were 84 golden coins in all. 30 golden coins were used. How many golden coins are left? = 54 (L) · Explorer Pip shares 180 coconut canteens equally among 3 teams. How many coconut canteens does each team get? = 60 (A) · Explorer Pip has 228 coconut canteens, packed 4 to a bag. How many bags can be filled? = 57 (E) · Explorer Pip shares 54 golden coins equally among 2 teams. How many golden coins does each team get? = 27 (N) · Explorer Pip shares 70 ruby gems equally among 10 teams. How many ruby gems does each team get? = 7 (T) · Explorer Pip shares 196 ruby gems equally among 4 teams. How many ruby gems does each team get? = 49 (H) · Explorer Pip has 48 jungle maps, packed 3 to a bag. How many bags can be filled? = 16 (F)

Clue 3 (Skip counting): "SNEEZE POWDER MADE THE VILLAIN DROP THE MAP"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (P) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (M) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (Z) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (V) · Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 = 20 (D)

Clue 4 (Place value): "BRAIDED BLONDE HAIR WAS CAUGHT ON A BRANCH"

What is the value of the 7 in 375? = 70 (B) · What is the value of the 5 in 354? = 50 (U) · What is the value of the 8 in 864? = 800 (G) · What is the value of the 3 in 4,738? = 30 (W) · What is the value of the 6 in 867? = 60 (N) · What is the value of the 3 in 355? = 300 (R) · What is the value of the 6 in 641? = 600 (S) · What is the value of the 3 in 3,465? = 3000 (O) · What is the value of the 1 in 194? = 100 (E) · What is the value of the 4 in 466? = 400 (C) · What is the value of the 9 in 4,792? = 90 (A) · What is the value of the 2 in 925? = 20 (D) · What is the value of the 9 in 9,412? = 9000 (H) · What is the value of the 7 in 87,968? = 7000 (I) · What is the value of the 4 in 641? = 40 (T) · What is the value of the 1 in 1,959? = 1000 (L)

Clue 5 (Missing addends): surviving statement is box 10 → Mia

5 + __ = 14 = 9 · 5 + __ = 16 = 11 · 7 + __ = 12 = 5 · 5 + __ = 11 = 6 · 1 + __ = 4 = 3 · 3 + __ = 5 = 2 · 8 + __ = 20 = 12 · 4 + __ = 8 = 4 · 4 + __ = 11 = 7 · 4 + __ = 5 = 1 · 9 + __ = 17 = 8