



The Stolen Golden Seed

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

Detective: _____ Date: _____

Oh no! A wild pixie took the Golden Seed from the Great Oak. Without this seed, the forest flowers will not open. You must help us find 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 wild pixie is _____

Possible suspects

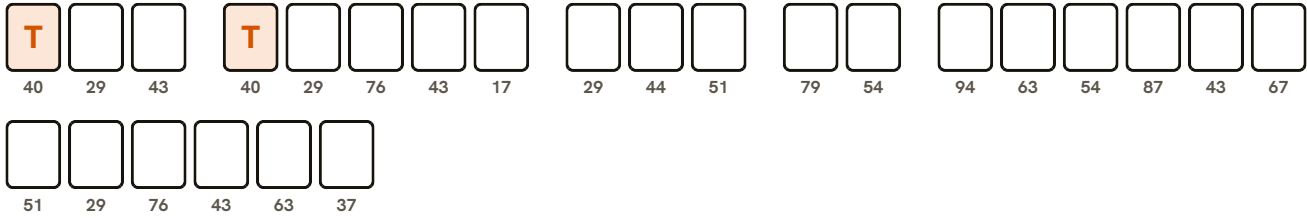
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	EARTH SPELL	MAGIC TOOL	WAND HAND	PETAL HAIR	WEAKNESS
Acorn	stone shaping	fern wand	right handed sparks	clay red	salty dust
Rosetta	dirt digging	maple wing	left handed sparks	bark brown	salty dust
Oberon	vines growth	glowing acorn	left handed sparks	leaf green	salty dust
Titania	dirt digging	maple wing	left handed sparks	clay red	shiny penny
Ivy	vines growth	fern wand	right handed sparks	bark brown	cold puddle
Thistle	root weaving	fern wand	right handed sparks	leaf green	salty dust
Blossom	mud splashing	petal crown	right handed sparks	clay red	cold puddle
Pip	vines growth	clover shield	right handed sparks	clay red	salty dust
Silvermist	root weaving	fern wand	left handed sparks	clay red	salty dust
Clover	mud splashing	fern wand	right handed sparks	leaf green	salty dust
Fern	stone shaping	fern wand	right handed sparks	leaf green	shiny penny
Ariel	mud splashing	fern wand	right handed sparks	leaf green	shiny penny
Twig	stone shaping	maple wing	left handed sparks	bark brown	salty dust
Sprout	dirt digging	glowing acorn	right handed sparks	clay red	salty dust
Moss	mud splashing	clover shield	right handed sparks	leaf green	shiny penny
Tinker	root weaving	maple wing	right handed sparks	clay red	shiny penny
Iridessa	dirt digging	glowing acorn	right handed sparks	clay red	shiny penny
Hazel	stone shaping	petal crown	right handed sparks	clay red	salty dust
Bramble	dirt digging	fern wand	right handed sparks	clay red	salty dust
Flora	dirt digging	petal crown	right handed sparks	leaf green	cold puddle
Fawn	dirt digging	fern wand	left handed sparks	clay red	shiny penny

CLUE 1 Place value

The path is locked. Read the tens and ones blocks on the stone door to open it.

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



What number has 4 tens and 0 ones? → **T**

What number has 7 tens and 9 ones? → **N**

What number has 2 tens and 9 ones? → **H**

What number has 4 tens and 3 ones? → **E**

What number has 9 tens and 4 ones? → **C**

What number has 4 tens and 4 ones? → **A**

What number has 5 tens and 4 ones? → **O**

What number has 7 tens and 6 ones? → **I**

What number has 3 tens and 7 ones? → **D**

What number has 8 tens and 7 ones? → **V**

What number has 6 tens and 7 ones? → **R**

What number has 1 ten and 7 ones? → **F**

What number has 6 tens and 3 ones? → **L**

What number has 5 tens and 1 one? → **S**

Scratch space:

CLUE 2 Addition

Some daisy petals are on the grass. Add them all up to see which way the thief ran.

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

T																
10	13	17	19	5	4	11	14	19	7	4	8	17	6	11	12	8

T						T					
10	13	17	11	15	18	13	10	13	4	20	2

$4 + 6 = \square \rightarrow$ T	$6 + 2 = \square \rightarrow$ M	$3 + 8 = \square \rightarrow$ R	$4 + 2 = \square \rightarrow$ F
$2 + 2 = \square \rightarrow$ A	$3 + 4 = \square \rightarrow$ C	$2 + 3 = \square \rightarrow$ P	$11 + 7 = \square \rightarrow$ G
$1 + 1 = \square \rightarrow$ D	$6 + 9 = \square \rightarrow$ I	$7 + 7 = \square \rightarrow$ K	$4 + 9 = \square \rightarrow$ H
$12 + 8 = \square \rightarrow$ N	$9 + 3 = \square \rightarrow$ O	$8 + 11 = \square \rightarrow$ S	
$11 + 6 = \square \rightarrow$ E			

Scratch space:

CLUE 3

Subtraction

Ten ladybugs sit on a leaf. Subtract the ones that fly away to find a hidden sign.

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

S							S					S				
4	16	3	12	9	11	14	4	12	2	18	3	3	4	12	19	6
12	15	8	13													

$13 - 9 = \square \rightarrow \boxed{\text{S}}$

$17 - 8 = \square \rightarrow \boxed{\text{Y}}$

$20 - 2 = \square \rightarrow \boxed{\text{I}}$

$18 - 7 = \square \rightarrow \boxed{\text{D}}$

$18 - 2 = \square \rightarrow \boxed{\text{A}}$

$15 - 7 = \square \rightarrow \boxed{\text{E}}$

$20 - 8 = \square \rightarrow \boxed{\text{T}}$

$14 - 1 = \square \rightarrow \boxed{\text{M}}$

$20 - 1 = \square \rightarrow \boxed{\text{O}}$

$9 - 6 = \square \rightarrow \boxed{\text{L}}$

$16 - 2 = \square \rightarrow \boxed{\text{U}}$

$6 - 4 = \square \rightarrow \boxed{\text{W}}$

$18 - 3 = \square \rightarrow \boxed{\text{H}}$

$14 - 8 = \square \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4 Skip counting

We find a row of acorns. Skip count by twos to find the clue hidden in the last one.

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

W																		
12	40	50	30	24	16	100	65	20	80	65	27	35	40	100	140	65	120	35

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **W**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **N**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **U**

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **Y**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **R**

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

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

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

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

Scratch space:

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

The lock needs eight magic seeds. We have five. Find how many more we need to open 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:

$6 + \underline{\quad} = 12$

$7 + \underline{\quad} = 14$

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

$6 + \underline{\quad} = 8$

$3 + \underline{\quad} = 12$

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

$6 + \underline{\quad} = 18$

$8 + \underline{\quad} = 12$

$3 + \underline{\quad} = 6$

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

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

Step 2 - cross out the sentence with each answer:

1. The villain shaped a wall of gray stone, then waved a green fern wand.
2. The villain dug a deep dirt tunnel, then flew on a maple wing.
3. The villain splashed thick sticky mud, then dropped a bright petal crown.
4. The villain splashed thick sticky mud, then flew on a maple wing.
5. The villain splashed thick sticky mud, then waved a green fern wand.
6. The villain dug a deep dirt tunnel, then waved a green fern wand.
7. The villain shaped a wall of gray stone, then dropped a bright petal crown.
8. The villain shaped a wall of gray stone, then held up a clover shield.
9. The villain grew thick green vines, then held up a clover shield.
10. The villain dug a deep dirt tunnel, then shined a glowing acorn.
11. The villain wove strong roots together, then held up a clover shield.
12. The villain dug a deep dirt tunnel, then held up a clover shield.

Answer Key

The Stolen Golden Seed

Culprit: Acorn

stone shaping · fern wand · right handed sparks · clay red · salty dust

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE THIEF HAS NO CLOVER SHIELD"

What number has 4 tens and 0 ones? = 40 (T) · What number has 7 tens and 9 ones? = 79 (N) · What number has 2 tens and 9 ones? = 29 (H) · What number has 4 tens and 3 ones? = 43 (E) · What number has 9 tens and 4 ones? = 94 (C) · What number has 4 tens and 4 ones? = 44 (A) · What number has 5 tens and 4 ones? = 54 (O) · What number has 7 tens and 6 ones? = 76 (I) · What number has 3 tens and 7 ones? = 37 (D) · What number has 8 tens and 7 ones? = 87 (V) · What number has 6 tens and 7 ones? = 67 (R) · What number has 1 ten and 7 ones? = 17 (F) · What number has 6 tens and 3 ones? = 63 (L) · What number has 5 tens and 1 one? = 51 (S)

Clue 2 (Addition): "THE SPARKS CAME FROM THE RIGHT HAND"

$4 + 6 = 10$ (T) · $6 + 2 = 8$ (M) · $3 + 8 = 11$ (R) · $4 + 2 = 6$ (F) · $2 + 2 = 4$ (A) · $3 + 4 = 7$ (C) · $2 + 3 = 5$ (P) · $11 + 7 = 18$ (G) · $1 + 1 = 2$ (D) · $6 + 9 = 15$ (I) · $7 + 7 = 14$ (K) · $4 + 9 = 13$ (H) · $12 + 8 = 20$ (N) · $9 + 3 = 12$ (O) · $8 + 11 = 19$ (S) · $11 + 6 = 17$ (E)

Clue 3 (Subtraction): "SALTY DUST WILL STOP THEM"

$13 - 9 = 4$ (S) · $17 - 8 = 9$ (Y) · $20 - 2 = 18$ (I) · $18 - 7 = 11$ (D) · $18 - 2 = 16$ (A) · $15 - 7 = 8$ (E) · $20 - 8 = 12$ (T) · $14 - 1 = 13$ (M) · $20 - 1 = 19$ (O) · $9 - 6 = 3$ (L) · $16 - 2 = 14$ (U) · $6 - 4 = 2$ (W) · $18 - 3 = 15$ (H) · $14 - 8 = 6$ (P)

Clue 4 (Skip counting): "WE FOUND A CLAY RED HAIR"

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (Y) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (H)

Clue 5 (Missing addends): surviving statement is box 1 → Acorn

$6 + \underline{\quad} = 12 = 6$ · $7 + \underline{\quad} = 14 = 7$ · $7 + \underline{\quad} = 17 = 10$ · $6 + \underline{\quad} = 8 = 2$ · $3 + \underline{\quad} = 12 = 9$ · $3 + \underline{\quad} = 8 = 5$ · $6 + \underline{\quad} = 18 = 12$ · $8 + \underline{\quad} = 12 = 4$ · $3 + \underline{\quad} = 6 = 3$ · $7 + \underline{\quad} = 15 = 8$ · $2 + \underline{\quad} = 13 = 11$