



The Great Glitter Mystery

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

Detective: _____ Date: _____

Someone took all the rainbow treats from the bakery! The forest animals are very sad. We must track the greedy unicorn who did it. Look for clues in the magical forest!

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 the greedy unicorn is _____

Possible suspects

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

NAME	MAGIC GIFT	SHINY GEAR	FAVORED SIDE	MANE COLOR	SILLY WEAKNESS
Blueberry	magic shield	golden bow	right-hoofed	gold mane	sour apples
Sunny	glitter jump	golden bow	right-hoofed	blue mane	sour apples
Rosie	magic shield	crown of stars	left-hoofed	gold mane	soft music
Daisy	glitter jump	crown of stars	right-hoofed	gold mane	tickle feathers
Jewel	glitter jump	pink shoes	right-hoofed	gold mane	soft music
Bubbles	cloud float	golden bow	right-hoofed	pink mane	soft music
Breezy	rainbow laser	glitter boots	right-hoofed	pink mane	tickle feathers
Nova	rainbow laser	pink shoes	left-hoofed	blue mane	soft music
Pippin	magic shield	silver bell	left-hoofed	blue mane	tickle feathers
Trixie	glitter jump	golden bow	left-hoofed	gold mane	tickle feathers
Pip	magic shield	pink shoes	right-hoofed	gold mane	tickle feathers
Star	glitter jump	pink shoes	right-hoofed	blue mane	soft music
Shimmer	magic shield	crown of stars	right-hoofed	gold mane	tickle feathers
Glimmer	star glow	glitter boots	left-hoofed	blue mane	sour apples
Twinkle	rainbow laser	silver bell	left-hoofed	gold mane	soft music
Sky	rainbow laser	silver bell	left-hoofed	pink mane	sour apples
Starlight	cloud float	pink shoes	right-hoofed	pink mane	sour apples
Bella	magic shield	pink shoes	left-hoofed	gold mane	sour apples
Clara	star glow	glitter boots	left-hoofed	pink mane	sour apples
Luna	rainbow laser	crown of stars	right-hoofed	gold mane	tickle feathers
Cookie	cloud float	silver bell	right-hoofed	gold mane	tickle feathers

CLUE 1

Let us count the sparky berries. Add the red berries and blue berries to find the first clue.

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

A 2x15 grid of boxes. The top row contains 15 boxes with the following values from left to right: 'T' (orange), 5, 11, 18, 13, 8, 18, 10, 6, 15, 4, 2, 18, 16, 2, 18, 13, 8, 2, 'T' (orange), 5. The bottom row contains 15 boxes with the following values from left to right: 11, 10, 20, 18, 10, 13, 9, 17, 20, 18, 7, 19, 18, 17, 17.

$$2 + 3 = \boxed{} \rightarrow \boxed{\mathbf{T}}$$

$$5 + 10 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$5 + 6 = \boxed{} \rightarrow \boxed{\text{H}}$

$6 + 10 = \boxed{} \rightarrow \boxed{\text{D}}$

$$5 + 2 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$6 + 4 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$4 + 5 = \boxed{} \rightarrow \boxed{\text{I}}$

$$1 + 1 = \boxed{} \rightarrow \boxed{0}$$

$11 + 8 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$6 + 2 = \square \rightarrow \boxed{\text{N}}$

$10 + 10 = \square \rightarrow \square$

$1 + 5 = \square \rightarrow \boxed{\mathbf{K}}$

$4 + 9 = \square \rightarrow \boxed{\mathbf{S}}$

$5 + 12 = \boxed{} \rightarrow \boxed{\text{L}}$

$$2 + 2 = \boxed{} \rightarrow \boxed{\text{F}}$$

$9 + 9 = \boxed{} \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 2

Subtraction

The pixie lost some magic cupcakes. Subtract the eaten cakes to find the second clue.

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

T											T					
16	3	5	4	1	5	6	18	5	18	16	3	5	9	7		
				T						T						
7	9	2	3	16	3	1	1	4	16	1	15	7	10	13		

$19 - 3 = \square \rightarrow \boxed{\text{T}}$

$7 - 3 = \square \rightarrow \boxed{\text{F}}$

$13 - 4 = \square \rightarrow \boxed{\text{I}}$

$12 - 9 = \square \rightarrow \boxed{\text{H}}$

$10 - 8 = \square \rightarrow \boxed{\text{G}}$

$17 - 4 = \square \rightarrow \boxed{\text{W}}$

$17 - 7 = \square \rightarrow \boxed{\text{A}}$

$8 - 3 = \square \rightarrow \boxed{\text{E}}$

$19 - 1 = \square \rightarrow \boxed{\text{S}}$

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

$10 - 3 = \square \rightarrow \boxed{\text{R}}$

$5 - 4 = \square \rightarrow \boxed{\text{O}}$

$15 - 9 = \square \rightarrow \boxed{\text{U}}$

Scratch space:

CLUE 3

Word problems

The forest animals want to share treats. Solve this word problem to get the next clue.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

T								A	T	H		R	S
28	34	7	6	36	15	27	15	28		15			

There were 32 sparkle berries. 4 were used up. How many sparkle berries are left?

Answer: → **T**

Barnaby Elf lined up 12 rows of 3 star stones. How many star stones in all?

Answer: → **L**

There were 29 sparkle berries. 2 were used up. How many sparkle berries are left?

Answer: → **F**

There were 14 sparkle berries. 7 were used up. How many sparkle berries are left?

Answer: → **C**

Barnaby Elf found 13 sugar carrots yesterday and 2 more today. How many sugar carrots in all?

Answer: → **E**

Barnaby Elf found 9 star stones yesterday and 25 more today. How many star stones in all?

Answer: → **I**

Barnaby Elf found 4 rainbow ribbons yesterday and 2 more today. How many rainbow ribbons in all?

Answer: → **K**

Scratch space:

CLUE 4 Skip counting

Follow the glow tracks in the grass. Skip count by twos to find the fourth clue.

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

W																		
90	16	18	70	39	26	8	12	70	65	8	6	40	26	16	25	40	140	20
40	45	45	25	16	120	30	16	26	16									

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **O**

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **M**

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

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 → **A**

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

Scratch space:

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

We need ten star stones to open the gate. Find the missing number to get the last clue.

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:

$2 + \underline{\quad} = 8$

$9 + \underline{\quad} = 16$

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

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

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

$7 + \underline{\quad} = 18$

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

$4 + \underline{\quad} = 7$

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

$2 + \underline{\quad} = 7$

$2 + \underline{\quad} = 4$

Step 2 - cross out the sentence with each answer:

1. The villain took the magic glitter wand, then jumped over the blue river.
2. The villain gobbled up the sugar cakes, then ran past the rainbow waterfall.
3. The villain took the magic glitter wand, then skipped down the glitter path.
4. The villain knocked over the juice jar, then fled into the crystal cave.
5. The villain knocked over the juice jar, then galloped through the sleepy meadow.
6. The villain knocked over the juice jar, then jumped over the blue river.
7. The villain stole the giant golden strawberry, then jumped over the blue river.
8. The villain gobbled up the sugar cakes, then jumped over the blue river.
9. The villain stole the giant golden strawberry, then ran past the rainbow waterfall.
10. The villain hid the queen sparkling crown, then galloped through the sleepy meadow.
11. The villain stole the giant golden strawberry, then fled into the crystal cave.
12. The villain stole the giant golden strawberry, then galloped through the sleepy meadow.

Answer Key

The Great Glitter Mystery

Culprit: Daisy

glitter jump · crown of stars · right-hoofed · gold mane · tickle feathers

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY FOE DOES NOT HAVE A SILVER BELL"

$2 + 3 = 5$ (T) · $5 + 10 = 15$ (Y) · $5 + 6 = 11$ (H) · $6 + 10 = 16$ (D) · $5 + 2 = 7$ (R) · $6 + 4 = 10$ (A) · $4 + 5 = 9$ (I) · $1 + 1 = 2$ (O) · $11 + 8 = 19$ (B) · $6 + 2 = 8$ (N) · $10 + 10 = 20$ (V) · $1 + 5 = 6$ (K) · $4 + 9 = 13$ (S) · $5 + 12 = 17$ (L) · $2 + 2 = 4$ (F) · $9 + 9 = 18$ (E)

Clue 2 (Subtraction): "THE FOE USES THEIR RIGHT HOOF TO DRAW"

$19 - 3 = 16$ (T) · $7 - 3 = 4$ (F) · $13 - 4 = 9$ (I) · $12 - 9 = 3$ (H) · $10 - 8 = 2$ (G) · $17 - 4 = 13$ (W) · $17 - 7 = 10$ (A) · $8 - 3 = 5$ (E) · $19 - 1 = 18$ (S) · $18 - 3 = 15$ (D) · $10 - 3 = 7$ (R) · $5 - 4 = 1$ (O) · $15 - 9 = 6$ (U)

Clue 3 (Word problems): "TICKLE FEATHERS"

There were 32 sparkle berries. 4 were used up. How many sparkle berries are left? = 28 (T) · Barnaby Elf lined up 12 rows of 3 star stones. How many star stones in all? = 36 (L) · There were 29 sparkle berries. 2 were used up. How many sparkle berries are left? = 27 (F) · There were 14 sparkle berries. 7 were used up. How many sparkle berries are left? = 7 (C) · Barnaby Elf found 13 sugar carrots yesterday and 2 more today. How many sugar carrots in all? = 15 (E) · Barnaby Elf found 9 star stones yesterday and 25 more today. How many star stones in all? = 34 (I) · Barnaby Elf found 4 rainbow ribbons yesterday and 2 more today. How many rainbow ribbons in all? = 6 (K)

Clue 4 (Skip counting): "WE FOUND GOLD MANE HAIR AT THE SCENE"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (U) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (M) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (E)

Clue 5 (Missing addends): surviving statement is box 8 → Daisy

$2 + \underline{\quad} = 8 = 6$ · $9 + \underline{\quad} = 16 = 7$ · $4 + \underline{\quad} = 13 = 9$ · $6 + \underline{\quad} = 18 = 12$ · $1 + \underline{\quad} = 5 = 4$ · $7 + \underline{\quad} = 18 = 11$ · $7 + \underline{\quad} = 17 = 10$ · $4 + \underline{\quad} = 7 = 3$ · $5 + \underline{\quad} = 6 = 1$ · $2 + \underline{\quad} = 7 = 5$ · $2 + \underline{\quad} = 4 = 2$