The Great Championship Whistle Mystery

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

Detective: _____ **Date:** _____

Someone stole the Golden Whistle right before kickoff! Detective, check the field clues to 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 whistle thief is _____

Possible suspects

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

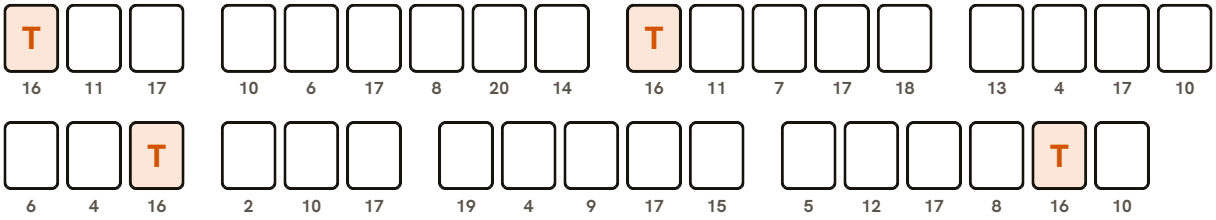
NAME	MAIN SKILL	SPECIAL GEAR	THROWING HAND	HELMET STRIPE	TELL-TALE TRAIT
Josh Allen	Super Jump	Armor Pads	Right handed	Gold Stripe	Loud Whistle
Jalen Hurts	Super Jump	Armor Pads	Right handed	Blue Stripe	Loud Whistle
Micah Parsons	Super Jump	Laser Visor	Left handed	Red Stripe	Loud Whistle
Christian McCaffrey	Sonic Kick	Glow Gloves	Right handed	Gold Stripe	Loud Whistle
Tua Tagovailoa	Super Jump	Armor Pads	Left handed	Gold Stripe	Squeaky Shoes
A J Brown	Sonic Kick	Laser Visor	Right handed	Gold Stripe	Loud Whistle
T J Watt	Rocket Arm	Power Cleats	Left handed	Red Stripe	Squeaky Shoes
Joe Burrow	Rocket Arm	Armor Pads	Right handed	Blue Stripe	Squeaky Shoes
Saquon Barkley	Sonic Kick	Sticky Grip	Right handed	Gold Stripe	Shiny Visor
Nick Bosa	Rocket Arm	Sticky Grip	Right handed	Blue Stripe	Squeaky Shoes
Travis Kelce	Sonic Kick	Laser Visor	Right handed	Blue Stripe	Shiny Visor
Tyreek Hill	Turbo Dash	Laser Visor	Left handed	Gold Stripe	Loud Whistle
Lamar Jackson	Turbo Dash	Sticky Grip	Left handed	Gold Stripe	Loud Whistle
Justin Herbert	Rocket Arm	Glow Gloves	Right handed	Gold Stripe	Loud Whistle
Patrick Mahomes	Super Jump	Laser Visor	Right handed	Red Stripe	Loud Whistle
Sauce Gardner	Turbo Dash	Sticky Grip	Right handed	Blue Stripe	Shiny Visor
CeeDee Lamb	Rocket Arm	Armor Pads	Left handed	Red Stripe	Loud Whistle
Amon Ra St Brown	Rocket Arm	Power Cleats	Right handed	Gold Stripe	Loud Whistle
Ja Marr Chase	Rocket Arm	Armor Pads	Right handed	Red Stripe	Loud Whistle
Derrick Henry	Sonic Kick	Power Cleats	Left handed	Blue Stripe	Shiny Visor
Justin Jefferson	Rocket Arm	Armor Pads	Left handed	Gold Stripe	Loud Whistle

make your own at mathcrackers.com

CLUE 1 Addition

Coach needs to count all the footballs in the bin to find a hidden note.

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



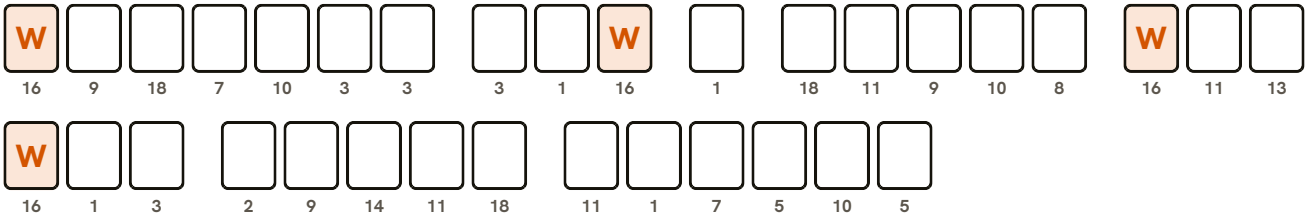
9 + 7 = ☐ → T	7 + 5 = ☐ → L	3 + 3 = ☐ → N	12 + 6 = ☐ → F
10 + 5 = ☐ → R	3 + 7 = ☐ → S	5 + 12 = ☐ → E	
3 + 5 = ☐ → A	6 + 8 = ☐ → Y	1 + 1 = ☐ → U	6 + 3 = ☐ → W
11 + 8 = ☐ → P	3 + 8 = ☐ → H	3 + 10 = ☐ → D	
3 + 2 = ☐ → C	3 + 1 = ☐ → O	3 + 4 = ☐ → I	6 + 14 = ☐ → K

Scratch space:

CLUE 2 Subtraction

The referee takes away practice cones to clear the sideline path.

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



17 - 1 = ☐ → W

15 - 7 = ☐ → F

15 - 1 = ☐ → G

4 - 3 = ☐ → A

11 - 9 = ☐ → R

12 - 2 = ☐ → E

19 - 1 = ☐ → T

16 - 3 = ☐ → O

9 - 2 = ☐ → N

18 - 7 = ☐ → H

16 - 7 = ☐ → I

11 - 6 = ☐ → D

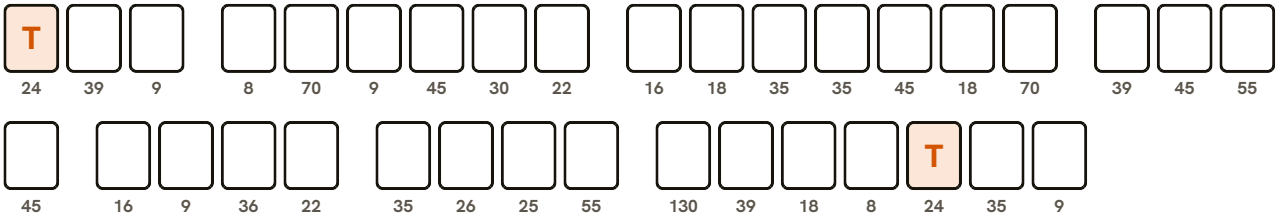
4 - 1 = ☐ → S

Scratch space:

CLUE 3 Skip counting

The mascot counts the yard line markers by fives to find footprints.

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



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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, ___, 33, 36 ☐ → K

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 ☐ → Y

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 ☐ → U

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → D

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → E

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 ☐ → A

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 ☐ → L

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, ___, 20, 22 ☐ → I

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

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → **S**

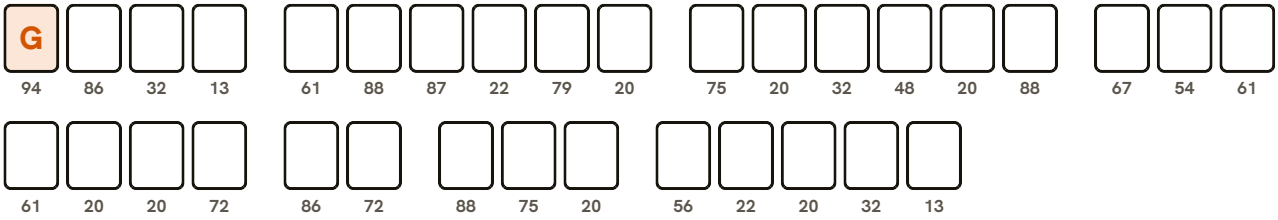
Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 ☐ → **N**

Scratch space:

CLUE 4 Place value

The scoreboard shows jersey numbers in tens and ones to unlock a box.

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



What number has 9 tens and 4 ones? ☐ → G

What number has 8 tens and 8 ones? ☐ → T

What number has 6 tens and 1 one? ☐ → S

What number has 8 tens and 6 ones? ☐ → O

What number has 5 tens and 4 ones? ☐ → A

What number has 2 tens and 0 ones? ☐ → E

What number has 5 tens and 6 ones? ☐ → F

What number has 4 tens and 8 ones? ☐ → M

What number has 7 tens and 5 ones? ☐ → H

What number has 3 tens and 2 ones? ☐ → L

What number has 7 tens and 2 ones? ☐ → N

What number has 8 tens and 7 ones? ☐ → R

What number has 2 tens and 2 ones? ☐ → I

What number has 7 tens and 9 ones? ☐ → P

What number has 1 ten and 3 ones? ☐ → D

What number has 6 tens and 7 ones? ☐ → W

Scratch space:

CLUE 5 Missing addends - the last clue

The team finds some missing flag belts on the field to reveal the 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:

7 + ___ = 19 ☐	6 + ___ = 8 ☐	7 + ___ = 11 ☐	1 + ___ = 8 ☐
9 + ___ = 15 ☐	10 + ___ = 20 ☐	4 + ___ = 13 ☐	10 + ___ = 13 ☐
10 + ___ = 15 ☐	8 + ___ = 16 ☐	3 + ___ = 14 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain leaped over the goalpost, then blocked with armor pads.
2. The villain threw the giant football, then flashed glowing gloves.
3. The villain dashed past the defense, then blocked with armor pads.
4. The villain kicked the ball to space, then flashed glowing gloves.
5. The villain leaped over the goalpost, then flashed glowing gloves.
6. The villain threw the giant football, then caught it with sticky grip.
7. The villain kicked the ball to space, then caught it with sticky grip.
8. The villain leaped over the goalpost, then stomped with power cleats.
9. The villain tackled the dummy target, then scanned with a laser visor.
10. The villain dashed past the defense, then flashed glowing gloves.
11. The villain threw the giant football, then scanned with a laser visor.
12. The villain kicked the ball to space, then scanned with a laser visor.

TEACHER / PARENT

Answer Key

The Great Championship Whistle Mystery

Culprit: Josh Allen

Super Jump · Armor Pads · Right handed · Gold Stripe · Loud Whistle

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

Clue 1 (Addition): "THE SNEAKY THIEF DOES NOT USE POWER CLEATS"

9 + 7 = 16 (T) · 7 + 5 = 12 (L) · 3 + 3 = 6 (N) · 12 + 6 = 18 (F) · 10 + 5 = 15 (R) · 3 + 7 = 10 (S) · 5 + 12 = 17 (E) · 3 + 5 = 8 (A) · 6 + 8 = 14 (Y) · 1 + 1 = 2 (U) · 6 + 3 = 9 (W) · 11 + 8 = 19 (P) · 3 + 8 = 11 (H) · 3 + 10 = 13 (D) · 3 + 2 = 5 (C) · 3 + 1 = 4 (O) · 3 + 4 = 7 (I) · 6 + 14 = 20 (K)

Clue 2 (Subtraction): "WITNESS SAW A THIEF WHO WAS RIGHT HANDED"

17 - 1 = 16 (W) · 15 - 7 = 8 (F) · 15 - 1 = 14 (G) · 4 - 3 = 1 (A) · 11 - 9 = 2 (R) · 12 - 2 = 10 (E) · 19 - 1 = 18 (T) · 16 - 3 = 13 (O) · 9 - 2 = 7 (N) · 18 - 7 = 11 (H) · 16 - 7 = 9 (I) · 11 - 6 = 5 (D) · 4 - 1 = 3 (S)

Clue 3 (Skip counting): "THE SNEAKY VILLAIN HAD A VERY LOUD WHISTLE"

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

Clue 4 (Place value): "GOLD STRIPE HELMET WAS SEEN ON THE FIELD"

What number has 9 tens and 4 ones? = 94 (G) · What number has 8 tens and 8 ones? = 88 (T) · What number has 6 tens and 1 one? = 61 (S) · What number has 8 tens and 6 ones? = 86 (O) · What number has 5 tens and 4 ones? = 54 (A) · What number has 2 tens and 0 ones? = 20 (E) · What number has 5 tens and 6 ones? = 56 (F) · What number has 4 tens and 8 ones? = 48 (M) · What number has 7 tens and 5 ones? = 75 (H) · What number has 3 tens and 2 ones? = 32 (L) · What number has 7 tens and 2 ones? = 72 (N) · What number has 8 tens and 7 ones? = 87 (R) · What number has 2 tens and 2 ones? = 22 (I) · What number has 7 tens and 9 ones? = 79 (P) · What number has 1 ten and 3 ones? = 13 (D) · What number has 6 tens and 7 ones? = 67 (W)

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

7 + ___ = 19 = 12 · 6 + ___ = 8 = 2 · 7 + ___ = 11 = 4 · 1 + ___ = 8 = 7 · 9 + ___ = 15 = 6 · 10 + ___ = 20 = 10 · 4 + ___ = 13 = 9 · 10 + ___ = 13 = 3 · 10 + ___ = 15 = 5 · 8 + ___ = 16 = 8 · 3 + ___ = 14 = 11