The Big Game Trophy Mystery

Grade 3 math · Skip counting, Multiplication, Word problems, Rounding, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

The championship game trophy vanished right before kickoff! Detective, solve the math clues to catch the stadium sneak.

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 stadium sneak is _____

Possible suspects

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

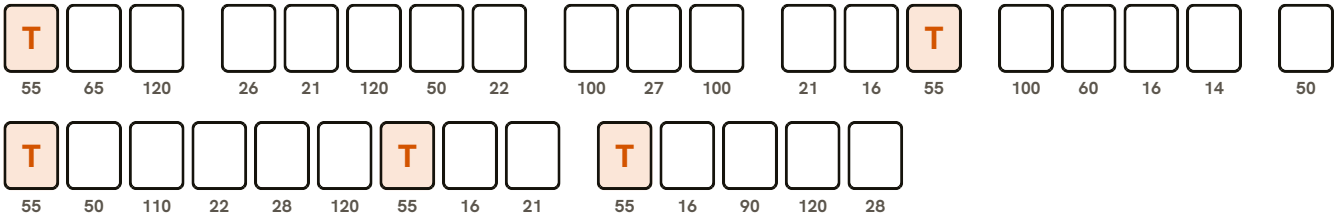
NAME	FAVORITE PLAY	GEAR ITEM	STANCE	HELMET STREAK	PENALTY CALL
Justin Jefferson	Field Goal	Grip Gloves	Right Handed Stance	Gold Helmet Streak	Holding Penalty
CeeDee Lamb	Blitz Rush	Visor Shield	Right Handed Stance	Blue Helmet Streak	Offside Penalty
Sauce Gardner	Blitz Rush	Tackleton Towel	Right Handed Stance	Red Helmet Streak	Holding Penalty
Saquon Barkley	Hail Mary Pass	Visor Shield	Right Handed Stance	Gold Helmet Streak	Holding Penalty
Micah Parsons	Flea Flicker	Neon Cleats	Left Handed Stance	Gold Helmet Streak	Offside Penalty
Tyreek Hill	Flea Flicker	Tackleton Towel	Right Handed Stance	Red Helmet Streak	Offside Penalty
Christian McCaffrey	Field Goal	Grip Gloves	Left Handed Stance	Blue Helmet Streak	Offside Penalty
Aaron Donald	Screen Pass	Neon Cleats	Right Handed Stance	Gold Helmet Streak	False Start Penalty
Patrick Mahomes	Field Goal	Gold Whistle	Right Handed Stance	Gold Helmet Streak	Holding Penalty
TJ Watt	Screen Pass	Grip Gloves	Left Handed Stance	Gold Helmet Streak	Holding Penalty
Nick Bosa	Hail Mary Pass	Gold Whistle	Right Handed Stance	Red Helmet Streak	False Start Penalty
Travis Kelce	Blitz Rush	Grip Gloves	Left Handed Stance	Blue Helmet Streak	False Start Penalty
Davante Adams	Hail Mary Pass	Neon Cleats	Right Handed Stance	Gold Helmet Streak	Holding Penalty
AJ Brown	Hail Mary Pass	Gold Whistle	Left Handed Stance	Red Helmet Streak	Holding Penalty
Amon Ra St Brown	Screen Pass	Neon Cleats	Right Handed Stance	Gold Helmet Streak	Offside Penalty
Lamar Jackson	Blitz Rush	Grip Gloves	Right Handed Stance	Gold Helmet Streak	Offside Penalty
Derrick Henry	Hail Mary Pass	Visor Shield	Right Handed Stance	Red Helmet Streak	Holding Penalty
Jalen Hurts	Flea Flicker	Tackleton Towel	Right Handed Stance	Gold Helmet Streak	Offside Penalty
Joe Burrow	Screen Pass	Visor Shield	Right Handed Stance	Blue Helmet Streak	Offside Penalty
Fred Warner	Hail Mary Pass	Tackleton Towel	Right Handed Stance	Gold Helmet Streak	Holding Penalty
Josh Allen	Blitz Rush	Gold Whistle	Left Handed Stance	Blue Helmet Streak	Offside Penalty

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CLUE 1 Skip counting

The referee counts field yard markers by fives to track footprints.

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



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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 ☐ → **R**

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 ☐ → **C**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 ☐ → **N**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → **L**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 ☐ → **P**

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

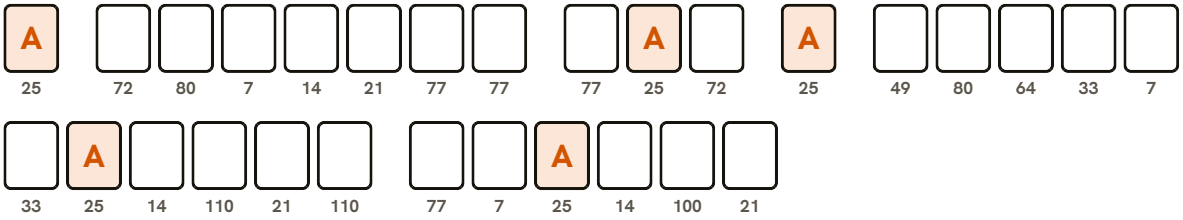
Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → **E**

Scratch space:

CLUE 2 Multiplication facts (1-12)

> The coach checks rows of bench helmets to calculate total gear.

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



5 × 5 = ☐ → A

7 × 2 = ☐ → N

7 × 7 = ☐ → R

8 × 8 = ☐ → G

3 × 7 = ☐ → E

10 × 8 = ☐ → I

10 × 10 = ☐ → C

3 × 11 = ☐ → H

1 × 7 = ☐ → T

10 × 11 = ☐ → D

6 × 12 = ☐ → W

7 × 11 = ☐ → S

Scratch space:

CLUE 3 Word problems

The equipment manager calculates football counts after practice.

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

Someone scared the villain off with

H							P	E		A		T	Y
14	67	34	51	63	43	78			43		34		

.

Coach found 11 football yesterday and 3 more today. How many football in all?

Answer: ☐ → H

Coach found 31 helmet yesterday and 20 more today. How many helmet in all?

Answer: ☐ → D

Coach found 18 football yesterday and 16 more today. How many football in all?

Answer: ☐ → L

Coach lined up 7 rows of 9 cleat. How many cleat in all?

Answer: ☐ → I

Coach found 30 flag yesterday and 37 more today. How many flag in all?

Answer: ☐ → O

Coach found 43 towel yesterday and 35 more today. How many towel in all?

Answer: ☐ → G

There were 58 football. 15 were used up. How many football are left?

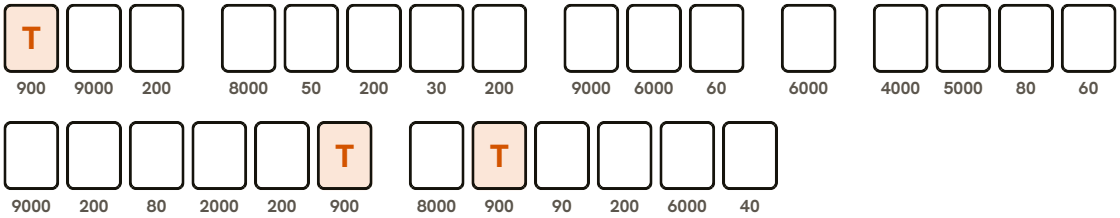
Answer: ☐ → N

Scratch space:

CLUE 4 Rounding

The stadium scoreboard screen rounds up the official stadium fan count.

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



Round 893 to the nearest hundred ☐ → **T**

Round 5,852 to the nearest thousand ☐ → **A**

Round 33 to the nearest ten ☐ → **N**

Round 5,021 to the nearest thousand ☐ → **O**

Round 2,336 to the nearest thousand ☐ → **M**

Round 49 to the nearest ten ☐ → **C**

Round 236 to the nearest hundred ☐ → **E**

Round 89 to the nearest ten ☐ → **R**

Round 41 to the nearest ten ☐ → **K**

Round 8,966 to the nearest thousand ☐ → **H**

Round 82 to the nearest ten ☐ → **L**

Round 8,256 to the nearest thousand ☐ → **S**

Round 56 to the nearest ten ☐ → **D**

Round 4,061 to the nearest thousand ☐ → **G**

Scratch space:

CLUE 5 Missing addends - the last clue

The stat keeper solves missing score totals on the playbook board.

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:

8 + ___ = 19 ☐	9 + ___ = 12 ☐	10 + ___ = 22 ☐	10 + ___ = 14 ☐
5 + ___ = 13 ☐	2 + ___ = 3 ☐	5 + ___ = 14 ☐	6 + ___ = 16 ☐
2 + ___ = 7 ☐	6 + ___ = 8 ☐	8 + ___ = 15 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain ran a blitz rush, then adjusted grip gloves.
2. The villain threw a screen pass, then adjusted grip gloves.
3. The villain kicked a field goal, then blew a gold whistle.
4. The villain called a hail mary pass, then dropped a tackleton towel.
5. The villain tricked with a flea flicker, then dropped a tackleton towel.
6. The villain kicked a field goal, then adjusted grip gloves.
7. The villain ran a blitz rush, then snapped a visor shield.
8. The villain threw a screen pass, then dropped a tackleton towel.
9. The villain ran a blitz rush, then dropped a tackleton towel.
10. The villain kicked a field goal, then dropped a tackleton towel.
11. The villain called a hail mary pass, then snapped a visor shield.
12. The villain called a hail mary pass, then flashed neon cleats.

TEACHER / PARENT

Answer Key

The Big Game Trophy Mystery

Culprit: Justin Jefferson

Field Goal · Grip Gloves · Right Handed Stance · Gold Helmet Streak · Holding Penalty

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

Clue 1 (Skip counting): "THE SNEAK DID NOT DROP A TACKLETON TOWEL"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 = 55 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 = 60 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (K) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 = 110 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 = 21 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 = 65 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 = 90 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 = 14 (P) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 = 27 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (E)

Clue 2 (Multiplication facts (1-12)): "A WITNESS SAW A RIGHT HANDED STANCE"

5 × 5 = 25 (A) · 7 × 2 = 14 (N) · 7 × 7 = 49 (R) · 8 × 8 = 64 (G) · 3 × 7 = 21 (E) · 10 × 8 = 80 (I) · 10 × 10 = 100 (C) · 3 × 11 = 33 (H) · 1 × 7 = 7 (T) · 10 × 11 = 110 (D) · 6 × 12 = 72 (W) · 7 × 11 = 77 (S)

Clue 3 (Word problems): "HOLDING PENALTY"

Coach found 11 football yesterday and 3 more today. How many football in all? = 14 (H) · Coach found 31 helmet yesterday and 20 more today. How many helmet in all? = 51 (D) · Coach found 18 football yesterday and 16 more today. How many football in all? = 34 (L) · Coach lined up 7 rows of 9 cleat. How many cleat in all? = 63 (I) · Coach found 30 flag yesterday and 37 more today. How many flag in all? = 67 (O) · Coach found 43 towel yesterday and 35 more today. How many towel in all? = 78 (G) · There were 58 football. 15 were used up. How many football are left? = 43 (N)

Clue 4 (Rounding): "THE SCENE HAD A GOLD HELMET STREAK"

Round 893 to the nearest hundred = 900 (T) · Round 5,852 to the nearest thousand = 6000 (A) · Round 33 to the nearest ten = 30 (N) · Round 5,021 to the nearest thousand = 5000 (O) · Round 2,336 to the nearest thousand = 2000 (M) · Round 49 to the nearest ten = 50 (C) · Round 236 to the nearest hundred = 200 (E) · Round 89 to the nearest ten = 90 (R) · Round 41 to the nearest ten = 40 (K) · Round 8,966 to the nearest thousand = 9000 (H) · Round 82 to the nearest ten = 80 (L) · Round 8,256 to the nearest thousand = 8000 (S) · Round 56 to the nearest ten = 60 (D) · Round 4,061 to the nearest thousand = 4000 (G)

Clue 5 (Missing addends): surviving statement is box 6 → Justin Jefferson

8 + ___ = 19 = 11 · 9 + ___ = 12 = 3 · 10 + ___ = 22 = 12 · 10 + ___ = 14 = 4 · 5 + ___ = 13 = 8 · 2 + ___ = 3 = 1 · 5 + ___ = 14 = 9 · 6 + ___ = 16 = 10 · 2 + ___ = 7 = 5 · 6 + ___ = 8 = 2 · 8 + ___ = 15 = 7