



The Great World Series Ball Bandit

Grade 4 math · Multiplication, Multi-step word problems, Fractions of a number, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

The San Francisco Giants are ready for the World Series, but every single baseball has vanished from the dugout! A mysterious rival player has hidden them all. Coach Casey needs your help to solve the clues, find the stolen balls, and save the biggest game of the year!

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 Ball Bandit is _____

Possible suspects

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

NAME	PITCH STYLE	SPECIAL GEAR	THROWING HAND	HAIR COLOR	DISTRACTION
Brandon Crawford	Changeup Delay	Super Speed Slide	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Logan Webb	Fastball Fire	Bat Smash Power	Right Handed Thrower	Blonde Hair	Loud Crowd Cheers
Lamont Wade Jr	Curveball Trick	Glove Magnet	Right Handed Thrower	Black Hair	Salty Sunflower Seeds
J.T. Snow	Slider Spin	Glove Magnet	Right Handed Thrower	Black Hair	Salty Sunflower Seeds
Robbie Ray	Changeup Delay	Rocket Booster Cleats	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Buster Posey	Slider Spin	Super Speed Slide	Left Handed Thrower	Brown Hair	Salty Sunflower Seeds
Pablo Sandoval	Changeup Delay	Stadium Light Flash	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Barry Bonds	Changeup Delay	Glove Magnet	Right Handed Thrower	Brown Hair	Salty Sunflower Seeds
Tyler Rogers	Knuckleball Float	Rocket Booster Cleats	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Mike Yastrzemski	Fastball Fire	Rocket Booster Cleats	Left Handed Thrower	Black Hair	Stadium Hot Dogs
Jung Hoo Lee	Changeup Delay	Bat Smash Power	Right Handed Thrower	Black Hair	Loud Crowd Cheers
Hunter Pence	Curveball Trick	Bat Smash Power	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Madison Bumgarner	Knuckleball Float	Bat Smash Power	Right Handed Thrower	Brown Hair	Salty Sunflower Seeds
Matt Chapman	Knuckleball Float	Super Speed Slide	Left Handed Thrower	Blonde Hair	Salty Sunflower Seeds
Jeff Kent	Knuckleball Float	Glove Magnet	Right Handed Thrower	Black Hair	Stadium Hot Dogs
Willie Mays	Changeup Delay	Bat Smash Power	Left Handed Thrower	Brown Hair	Loud Crowd Cheers
Wilmer Flores	Fastball Fire	Glove Magnet	Right Handed Thrower	Brown Hair	Loud Crowd Cheers
Tim Lincecum	Knuckleball Float	Glove Magnet	Right Handed Thrower	Blonde Hair	Stadium Hot Dogs
Camilo Doval	Knuckleball Float	Stadium Light Flash	Left Handed Thrower	Blonde Hair	Salty Sunflower Seeds
Patrick Bailey	Slider Spin	Glove Magnet	Left Handed Thrower	Brown Hair	Stadium Hot Dogs
Kyle Harrison	Changeup Delay	Bat Smash Power	Right Handed Thrower	Black Hair	Salty Sunflower Seeds

Multiplication facts (1-12)

Coach Casey needs to count the remaining bats and helmets in the dugout. Help him do the multi step math to find where the thief went.

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

A 2x10 grid of boxes. The top row contains the following values from left to right: 14 (with an orange 'T' above it), 66, 28, 50, 33, 44, 14 (with an orange 'T' above it), 35, 66, 28, 6, 80, 1, 28, 50, 33, 1, 14 (with an orange 'T' above it). The bottom row contains the following values from left to right: 4, 50, 28, 6, 1, 35, 21, 28, 14 (with an orange 'T' above it), 35, 8, 28, 44, 14 (with an orange 'T' above it), 50.

$$7 \times 2 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$3 \times 11 = \boxed{} \rightarrow \boxed{\text{N}}$$

$11 \times 6 = \boxed{} \rightarrow \boxed{\text{H}}$

$2 \times 4 = \square \rightarrow \boxed{\mathbf{L}}$

$5 \times 7 = \square \rightarrow \boxed{\mathbf{C}}$

$10 \times 8 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$$2 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

$$5 \times 10 = \boxed{} \rightarrow \boxed{\text{S}}$$

$6 \times 1 = \square \rightarrow \boxed{\mathbf{R}}$

$$7 \times 3 = \boxed{} \rightarrow \boxed{\mathbf{K}}$$

$11 \times 4 = \square \rightarrow \mathbf{A}$

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

$$4 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{E}}$$

Scratch space:

CLUE 2

Multi-step word problems

We found crates of stolen baseball gear stacked in equal rows. Multiply the boxes to unlock the next secret message.

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

A witness saw the villain was

R									D	E	D			R	O	W	E	R
89	58	25	68	40	68	82	17					40	68	89				89

Coach Casey filled 8 boxes with 2 bats each, then found 73 more bats. How many bats are there in all?

Answer: → **R**

There were 66 cleats in all. 32 cleats were set aside. The rest were shared equally among 2 San Francisco Giants. How many cleats did each get?

Answer: → **N**

Coach Casey collected 27 glove oil in the morning and 213 glove oil in the afternoon, then split them equally among 6 San Francisco Giants. How many glove oil did each get?

Answer: → **T**

There were 482 cleats in all. 3 San Francisco Giants used 24 cleats each. The other 5 San Francisco Giants shared the rest equally. How many cleats did each of the other San Francisco Giants get?

Answer: → **A**

Coach Casey collected 14 cleats in the morning and 190 cleats in the afternoon, then split them equally among 3 San Francisco Giants. How many cleats did each get?

Answer: → **H**

There were 294 glove oil in all. 2 San Francisco Giants used 31 glove oil each. The other 4 San Francisco Giants shared the rest equally. How many glove oil did each of the other San Francisco Giants get?

Answer: → **I**

Coach Casey collected 68 glove oil in the morning and 82 glove oil in the afternoon, then split them equally among 6 San Francisco Giants. How many glove oil did each get?

Answer: → **G**

Scratch space:

CLUE 3
Fractions of a number

The mascot found a pile of championship rings but only a fraction of them are real gold. Find the correct amount to locate the clue.

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

T			T								T								
22	19	31	22	19	23	31	14	19	12	22	31	18	4	2	10	32			
15	8	2	34	32	15	19	31	31	8	18									

$1/5 \text{ of } 110 = \square \rightarrow \text{ T }$

$2/4 \text{ of } 20 = \square \rightarrow \text{ U }$

$2/10 \text{ of } 60 = \square \rightarrow \text{ A }$

$1/6 \text{ of } 192 = \square \rightarrow \text{ D }$

$4/10 \text{ of } 45 = \square \rightarrow \text{ S }$

$1/5 \text{ of } 170 = \square \rightarrow \text{ W }$

$4/6 \text{ of } 21 = \square \rightarrow \text{ F }$

$1/6 \text{ of } 48 = \square \rightarrow \text{ R }$

$5/10 \text{ of } 8 = \square \rightarrow \text{ L }$

$1/6 \text{ of } 114 = \square \rightarrow \text{ H }$

$1/4 \text{ of } 60 = \square \rightarrow \text{ C }$

$1/2 \text{ of } 46 = \square \rightarrow \text{ I }$

$5/10 \text{ of } 4 = \square \rightarrow \text{ O }$

$2/6 \text{ of } 93 = \square \rightarrow \text{ E }$

Scratch space:

CLUE 4 Rounding

The stadium radar gun clocked the thief running away but the screen only shows rounded speeds. Round the numbers to track the suspect.

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

W															
3000	130	9000	290	1100	2300	20	5000	1700	300	50	2300	20	5000	290	9000
			W												
230	300	290	3000	2300	2900	50	200	300							

Round 3,411 to the nearest thousand →

W

Round 126 to the nearest ten →

E

Round 21 to the nearest ten →

D

Round 1,141 to the nearest hundred →

U

Round 4,875 to the nearest thousand →

S

Round 2,273 to the nearest hundred →

N

Round 200 to the nearest hundred →

I

Round 226 to the nearest ten →

B

Round 1,710 to the nearest hundred →

T

Round 2,944 to the nearest hundred →

H

Round 322 to the nearest hundred →

R

Round 287 to the nearest ten →

O

Round 8,533 to the nearest thousand →

F

Round 54 to the nearest ten →

A

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

The players need to share the remaining cups of sports drink equally. Divide the drinks to uncover the final 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:

$18 \div 2 = \boxed{}$

$48 \div 8 = \boxed{}$

$16 \div 4 = \boxed{}$

$60 \div 5 = \boxed{}$

$35 \div 7 = \boxed{}$

$121 \div 11 = \boxed{}$

$20 \div 2 = \boxed{}$

$49 \div 7 = \boxed{}$

$10 \div 10 = \boxed{}$

$96 \div 12 = \boxed{}$

$24 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain spins a sharp slider, then zooms away with rocket booster cleats.
2. The villain hurls a tricky curveball, then smashes obstacles with bat power.
3. The villain spins a sharp slider, then slides across the field with super speed.
4. The villain throws a blazing fastball, then pulls things in with a glove magnet.
5. The villain floats a wild knuckleball, then pulls things in with a glove magnet.
6. The villain tosses a slow changeup, then blinds the guards with a stadium light flash.
7. The villain floats a wild knuckleball, then slides across the field with super speed.
8. The villain hurls a tricky curveball, then zooms away with rocket booster cleats.
9. The villain tosses a slow changeup, then slides across the field with super speed.
10. The villain spins a sharp slider, then blinds the guards with a stadium light flash.
11. The villain floats a wild knuckleball, then blinds the guards with a stadium light flash.
12. The villain throws a blazing fastball, then slides across the field with super speed.

Answer Key

The Great World Series Ball Bandit

Culprit: Hunter Pence

Curveball Trick · Bat Smash Power · Right Handed Thrower · Brown Hair · Loud Crowd Cheers

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SNATCHER DOES NOT USE ROCKET CLEATS"

$7 \times 2 = 14$ (T) · $3 \times 11 = 33$ (N) · $11 \times 6 = 66$ (H) · $2 \times 4 = 8$ (L) · $5 \times 7 = 35$ (C) · $10 \times 8 = 80$ (D) · $2 \times 2 = 4$ (U) · $5 \times 10 = 50$ (S) · $6 \times 1 = 6$ (R) · $7 \times 3 = 21$ (K) · $11 \times 4 = 44$ (A) · $1 \times 1 = 1$ (O) · $4 \times 7 = 28$ (E)

Clue 2 (Multi-step word problems): "RIGHT HANDED THROWER"

Coach Casey filled 8 boxes with 2 bats each, then found 73 more bats. How many bats are there in all? = 89 (R) · There were 66 cleats in all. 32 cleats were set aside. The rest were shared equally among 2 San Francisco Giants. How many cleats did each get? = 17 (N) · Coach Casey collected 27 glove oil in the morning and 213 glove oil in the afternoon, then split them equally among 6 San Francisco Giants. How many glove oil did each get? = 40 (T) · There were 482 cleats in all. 3 San Francisco Giants used 24 cleats each. The other 5 San Francisco Giants shared the rest equally. How many cleats did each of the other San Francisco Giants get? = 82 (A) · Coach Casey collected 14 cleats in the morning and 190 cleats in the afternoon, then split them equally among 3 San Francisco Giants. How many cleats did each get? = 68 (H) · There were 294 glove oil in all. 2 San Francisco Giants used 31 glove oil each. The other 4 San Francisco Giants shared the rest equally. How many glove oil did each of the other San Francisco Giants get? = 58 (I) · Coach Casey collected 68 glove oil in the morning and 82 glove oil in the afternoon, then split them equally among 6 San Francisco Giants. How many glove oil did each get? = 25 (G)

Clue 3 (Fractions of a number): "THE THIEF HATES LOUD CROWD CHEERS"

$1/5$ of 110 = 22 (T) · $2/4$ of 20 = 10 (U) · $2/10$ of 60 = 12 (A) · $1/6$ of 192 = 32 (D) · $4/10$ of 45 = 18 (S) · $1/5$ of 170 = 34 (W) · $4/6$ of 21 = 14 (F) · $1/6$ of 48 = 8 (R) · $5/10$ of 8 = 4 (L) · $1/6$ of 114 = 19 (H) · $1/4$ of 60 = 15 (C) · $1/2$ of 46 = 23 (I) · $5/10$ of 4 = 2 (O) · $2/6$ of 93 = 31 (E)

Clue 4 (Rounding): "WE FOUND STRANDS OF BROWN HAIR"

Round 3,411 to the nearest thousand = 3000 (W) · Round 126 to the nearest ten = 130 (E) · Round 21 to the nearest ten = 20 (D) · Round 1,141 to the nearest hundred = 1100 (U) · Round 4,875 to the nearest thousand = 5000 (S) · Round 2,273 to the nearest hundred = 2300 (N) · Round 200 to the nearest hundred = 200 (I) · Round 226 to the nearest ten = 230 (B) · Round 1,710 to the nearest hundred = 1700 (T) · Round 2,944 to the nearest hundred = 2900 (H) · Round 322 to the nearest hundred = 300 (R) · Round 287 to the nearest ten = 290 (O) · Round 8,533 to the nearest thousand = 9000 (F) · Round 54 to the nearest ten = 50 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Hunter Pence

$18 \div 2 = 9$ · $48 \div 8 = 6$ · $16 \div 4 = 4$ · $60 \div 5 = 12$ · $35 \div 7 = 5$ · $121 \div 11 = 11$ · $20 \div 2 = 10$ · $49 \div 7 = 7$ · $10 \div 10 = 1$ · $96 \div 12 = 8$ · $24 \div 8 = 3$