



The Case of the Missing Soccer Trophy

Grade 3 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

The Big Game trophy is gone! Someone swiped it right before the championship. Detective Dan needs your help to find the sneaky Mascot who took it. Look for clues to unmask the culprit!

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 Mascot is _____

Possible suspects

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

NAME	DRIBBLING SKILL	TEAM SPIRIT	TYPE	HEADGEAR	FOUL
Kevin	Lightning Fast	Goal Getter	Goalie	Fuzzy Beanie	Mud Puddle
Quinn	Anchor Leg	Assist Ace	Striker	Fuzzy Beanie	Mud Puddle
Sam	Anchor Leg	Super Fan	Goalie	Jersey Cap	Mud Puddle
Paul	Anchor Leg	Coach's Pet	Goalie	Sweatband	Orange Slice
Leo	Pinpoint Accuracy	Assist Ace	Goalie	Jersey Cap	Mud Puddle
Gavin	Anchor Leg	Goal Getter	Striker	Jersey Cap	Mud Puddle
Isaac	Pinpoint Accuracy	Cheer Dynamo	Goalie	Sweatband	Mud Puddle
Alex	Wall of Defense	Goal Getter	Striker	Fuzzy Beanie	Coach's Whistle
Chris	Rally Master	Assist Ace	Goalie	Jersey Cap	Mud Puddle
Owen	Wall of Defense	Super Fan	Goalie	Jersey Cap	Mud Puddle
Jack	Pinpoint Accuracy	Super Fan	Goalie	Jersey Cap	Orange Slice
David	Anchor Leg	Goal Getter	Goalie	Sweatband	Coach's Whistle
Ryan	Wall of Defense	Coach's Pet	Goalie	Jersey Cap	Mud Puddle
Ben	Rally Master	Coach's Pet	Goalie	Sweatband	Coach's Whistle
Will	Lightning Fast	Coach's Pet	Striker	Fuzzy Beanie	Mud Puddle
Nate	Wall of Defense	Assist Ace	Striker	Fuzzy Beanie	Orange Slice
Zac	Pinpoint Accuracy	Cheer Dynamo	Goalie	Fuzzy Beanie	Coach's Whistle
Henry	Wall of Defense	Coach's Pet	Goalie	Jersey Cap	Orange Slice
Vance	Rally Master	Cheer Dynamo	Striker	Sweatband	Orange Slice
Uri	Anchor Leg	Super Fan	Striker	Fuzzy Beanie	Mud Puddle
Mason	Rally Master	Goal Getter	Goalie	Jersey Cap	Coach's Whistle

CLUE 1

Rounding

The stadium announcer's microphone crackled. He was reporting the crowd's cheers, but the numbers on his screen looked fuzzy and rounded.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3000	4000	70	60	30	90	400	8000	3000	90	3000	70	30	60

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
90	900	6000	20	6000	3000	6000	90	40	8000	3000	400	4000	70	70	20

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
600	9000	40	30	60	8000

Round 2,651 to the nearest thousand	<input type="text"/>	<input type="text" value="T"/>	Round 6,303 to the nearest thousand	<input type="text"/>	<input type="text" value="I"/>	Round 401 to the nearest hundred	<input type="text"/>	<input type="text" value="C"/>
Round 4,042 to the nearest thousand	<input type="text"/>	<input type="text" value="H"/>	Round 24 to the nearest ten	<input type="text"/>	<input type="text" value="R"/>	Round 71 to the nearest ten	<input type="text"/>	<input type="text" value="E"/>
Round 31 to the nearest ten	<input type="text"/>	<input type="text" value="A"/>	Round 858 to the nearest hundred	<input type="text"/>	<input type="text" value="P"/>	Round 38 to the nearest ten	<input type="text"/>	<input type="text" value="N"/>
Round 93 to the nearest ten	<input type="text"/>	<input type="text" value="S"/>	Round 8,969 to the nearest thousand	<input type="text"/>	<input type="text" value="Y"/>	Round 572 to the nearest hundred	<input type="text"/>	<input type="text" value="D"/>
Round 7,751 to the nearest thousand	<input type="text"/>	<input type="text" value="O"/>	Round 56 to the nearest ten	<input type="text"/>	<input type="text" value="M"/>			

Scratch space:

CLUE 2 Addition

The lost and found box was overflowing! The janitor was trying to count all the stray soccer balls, but he lost track and started adding them up.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
547	501	311	971	936	512	529	267	547	765	512	936	825	267	936	377	765	311

$218 + 329 =$	<input type="text"/>	<input type="text" value="T"/>	$312 + 217 =$	<input type="text"/>	<input type="text" value="C"/>	$340 + 485 =$	<input type="text"/>	<input type="text" value="G"/>
$433 + 332 =$	<input type="text"/>	<input type="text" value="I"/>	$602 + 334 =$	<input type="text"/>	<input type="text" value="A"/>	$245 + 132 =$	<input type="text"/>	<input type="text" value="L"/>
$616 + 355 =$	<input type="text"/>	<input type="text" value="M"/>	$176 + 325 =$	<input type="text"/>	<input type="text" value="H"/>	$143 + 124 =$	<input type="text"/>	<input type="text" value="O"/>
$324 + 188 =$	<input type="text"/>	<input type="text" value="S"/>	$166 + 145 =$	<input type="text"/>	<input type="text" value="E"/>			

Scratch space:

CLUE 3 Subtraction

The team needed to share the sports drinks. The coach tried to figure out how many sips each player had left, but some were almost empty.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
217	290	822	738	517	668	339	599	217	217	862	551	514	514	822	587	551	112	517
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
738	882	587	514	882	587	587	114	822										

405 - 188 =	<input type="text"/>	<input type="text" value="T"/>	1282 - 400 =	<input type="text"/>	<input type="text" value="U"/>	453 - 339 =	<input type="text"/>	<input type="text" value="L"/>
395 - 56 =	<input type="text"/>	<input type="text" value="C"/>	755 - 17 =	<input type="text"/>	<input type="text" value="M"/>	167 - 55 =	<input type="text"/>	<input type="text" value="N"/>
638 - 39 =	<input type="text"/>	<input type="text" value="O"/>	1161 - 339 =	<input type="text"/>	<input type="text" value="E"/>	537 - 20 =	<input type="text"/>	<input type="text" value="A"/>
781 - 113 =	<input type="text"/>	<input type="text" value="S"/>	431 - 141 =	<input type="text"/>	<input type="text" value="H"/>	879 - 365 =	<input type="text"/>	<input type="text" value="P"/>
1233 - 371 =	<input type="text"/>	<input type="text" value="R"/>	737 - 186 =	<input type="text"/>	<input type="text" value="I"/>	812 - 225 =	<input type="text"/>	<input type="text" value="D"/>

Scratch space:

CLUE 4

Multiplication facts (1-12)

The players were lining up drills. The coach wanted to see how many cones to set up for each player, in neat rows.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>		
90	42	64	50	84	14	15	30	90	21	64	66	90	84	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
24	64	108	14	64	96	15	84	18	40	64	42	10	132	88

$10 \times 9 =$	<input type="text"/>	<input type="text" value="T"/>	$6 \times 7 =$	<input type="text"/>	<input type="text" value="H"/>	$8 \times 11 =$	<input type="text"/>	<input type="text" value="D"/>
$5 \times 10 =$	<input type="text"/>	<input type="text" value="M"/>	$3 \times 7 =$	<input type="text"/>	<input type="text" value="L"/>	$2 \times 5 =$	<input type="text"/>	<input type="text" value="I"/>
$7 \times 12 =$	<input type="text"/>	<input type="text" value="A"/>	$2 \times 7 =$	<input type="text"/>	<input type="text" value="S"/>	$6 \times 4 =$	<input type="text"/>	<input type="text" value="J"/>
$5 \times 8 =$	<input type="text"/>	<input type="text" value="B"/>	$11 \times 12 =$	<input type="text"/>	<input type="text" value="N"/>	$12 \times 8 =$	<input type="text"/>	<input type="text" value="Y"/>
$5 \times 3 =$	<input type="text"/>	<input type="text" value="C"/>	$6 \times 3 =$	<input type="text"/>	<input type="text" value="P"/>	$12 \times 9 =$	<input type="text"/>	<input type="text" value="R"/>
$11 \times 6 =$	<input type="text"/>	<input type="text" value="F"/>	$8 \times 8 =$	<input type="text"/>	<input type="text" value="E"/>	$5 \times 6 =$	<input type="text"/>	<input type="text" value="O"/>

Scratch space:

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

The water cooler was almost empty! The coach needed to see if there was enough water to give every player an equal share.

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:

$5 \div 1 = \boxed{}$

$14 \div 7 = \boxed{}$

$27 \div 9 = \boxed{}$

$18 \div 3 = \boxed{}$

$72 \div 9 = \boxed{}$

$22 \div 2 = \boxed{}$

$20 \div 5 = \boxed{}$

$144 \div 12 = \boxed{}$

$81 \div 9 = \boxed{}$

$50 \div 5 = \boxed{}$

$11 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain stumbled, then passed.
2. The villain fumbled, then tackled.
3. The villain booted, then celebrated.
4. The villain fumbled, then celebrated.
5. The villain juggled, then tackled.
6. The villain fumbled, then passed.
7. The villain stumbled, then celebrated.
8. The villain juggled, then celebrated.
9. The villain zoomed away, then scored.
10. The villain juggled, then scored.
11. The villain juggled, then passed.
12. The villain fumbled, then intercepted.

Answer Key

The Case of the Missing Soccer Trophy

Culprit: Chris

Rally Master · Assist Ace · Goalie · Jersey Cap · Mud Puddle

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE MASCOT S TEAM SPIRIT IS NOT CHEER DYNAMO"

Round 2,651 to the nearest thousand = 3000 (T) · Round 6,303 to the nearest thousand = 6000 (I) · Round 401 to the nearest hundred = 400 (C) · Round 4,042 to the nearest thousand = 4000 (H) · Round 24 to the nearest ten = 20 (R) · Round 71 to the nearest ten = 70 (E) · Round 31 to the nearest ten = 30 (A) · Round 858 to the nearest hundred = 900 (P) · Round 38 to the nearest ten = 40 (N) · Round 93 to the nearest ten = 90 (S) · Round 8,969 to the nearest thousand = 9000 (Y) · Round 572 to the nearest hundred = 600 (D) · Round 7,751 to the nearest thousand = 8000 (O) · Round 56 to the nearest ten = 60 (M)

Clue 2 (Addition): "THE MASCOT IS A GOALIE"

$218 + 329 = 547$ (T) · $312 + 217 = 529$ (C) · $340 + 485 = 825$ (G) · $433 + 332 = 765$ (I) · $602 + 334 = 936$ (A) · $245 + 132 = 377$ (L) · $616 + 355 = 971$ (M) · $176 + 325 = 501$ (H) · $143 + 124 = 267$ (O) · $324 + 188 = 512$ (S) · $166 + 145 = 311$ (E)

Clue 3 (Subtraction): "THE MASCOT TRIPPED IN A MUD PUDDLE"

$405 - 188 = 217$ (T) · $1282 - 400 = 882$ (U) · $453 - 339 = 114$ (L) · $395 - 56 = 339$ (C) · $755 - 17 = 738$ (M) · $167 - 55 = 112$ (N) · $638 - 39 = 599$ (O) · $1161 - 339 = 822$ (E) · $537 - 20 = 517$ (A) · $781 - 113 = 668$ (S) · $431 - 141 = 290$ (H) · $879 - 365 = 514$ (P) · $1233 - 371 = 862$ (R) · $737 - 186 = 551$ (I) · $812 - 225 = 587$ (D)

Clue 4 (Multiplication facts (1-12)): "THE MASCOT LEFT A JERSEY CAP BEHIND"

$10 \times 9 = 90$ (T) · $6 \times 7 = 42$ (H) · $8 \times 11 = 88$ (D) · $5 \times 10 = 50$ (M) · $3 \times 7 = 21$ (L) · $2 \times 5 = 10$ (I) · $7 \times 12 = 84$ (A) · $2 \times 7 = 14$ (S) · $6 \times 4 = 24$ (J) · $5 \times 8 = 40$ (B) · $11 \times 12 = 132$ (N) · $12 \times 8 = 96$ (Y) · $5 \times 3 = 15$ (C) · $6 \times 3 = 18$ (P) · $12 \times 9 = 108$ (R) · $11 \times 6 = 66$ (F) · $8 \times 8 = 64$ (E) · $5 \times 6 = 30$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Chris

$5 \div 1 = 5$ · $14 \div 7 = 2$ · $27 \div 9 = 3$ · $18 \div 3 = 6$ · $72 \div 9 = 8$ · $22 \div 2 = 11$ · $20 \div 5 = 4$ · $144 \div 12 = 12$ · $81 \div 9 = 9$ · $50 \div 5 = 10$ · $11 \div 11 = 1$