



Sabotage on the Suspense Set

Grade 6 math · Addition, Multiplication, Subtraction, Rounding, Division · Reading level grades 7-9

Detective: _____ Date: _____

An anonymous saboteur is terrorizing the set of Hollywood's highly anticipated noir thriller, 'Midnight Shadow.' Props are vanishing, scripts are being rewritten with bizarre plot twists, and the master film reels have been scrambled. The director has called in you, the studio's premier detective, to piece together the clues before the premiere is ruined forever.

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 clapperboard saboteur is _____

Possible suspects

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

NAME	SIGNATURE TECHNIQUE	KEY PROP	STORYBOARD HAND	DISGUISE WIG	DIRECTOR PHOBIA
Craven	Shadow Play	Fake Blood Canister	Right-Handed Sketches	Slicked Back Black	Fear of Heights
Park	Slow Motion	Vintage Camera	Left-Handed Sketches	Messy Auburn	Fear of Birds
Sofia	Slow Motion	Vintage Camera	Left-Handed Sketches	Messy Auburn	Fear of Crowds
Spielberg	Dutch Angle	Golden Key	Left-Handed Sketches	Messy Auburn	Fear of Crowds
Polanski	Jump Scare	Golden Key	Right-Handed Sketches	Platinum Blonde	Fear of Heights
Bong	Jump Scare	Vintage Camera	Left-Handed Sketches	Platinum Blonde	Fear of Heights
Alfred	Shadow Play	Fake Blood Canister	Left-Handed Sketches	Platinum Blonde	Fear of Birds
Wan	Plot Twist	Fake Blood Canister	Right-Handed Sketches	Messy Auburn	Fear of Birds
Nolan	Slow Motion	Rotary Phone	Right-Handed Sketches	Slicked Back Black	Fear of Birds
Carpenter	Dutch Angle	Vintage Camera	Right-Handed Sketches	Slicked Back Black	Fear of Crowds
Shyamalan	Jump Scare	Fake Blood Canister	Left-Handed Sketches	Slicked Back Black	Fear of Crowds
Guillermo	Shadow Play	Vintage Camera	Right-Handed Sketches	Platinum Blonde	Fear of Crowds
Fritz	Shadow Play	Fake Blood Canister	Right-Handed Sketches	Messy Auburn	Fear of Heights
De Palma	Plot Twist	Vintage Camera	Left-Handed Sketches	Platinum Blonde	Fear of Birds
Orson	Slow Motion	Spooky Music Box	Right-Handed Sketches	Messy Auburn	Fear of Birds
Greta	Dutch Angle	Fake Blood Canister	Left-Handed Sketches	Platinum Blonde	Fear of Birds
Stanley	Slow Motion	Spooky Music Box	Left-Handed Sketches	Platinum Blonde	Fear of Birds
Fincher	Slow Motion	Rotary Phone	Left-Handed Sketches	Platinum Blonde	Fear of Birds
Lynch	Jump Scare	Golden Key	Right-Handed Sketches	Platinum Blonde	Fear of Birds
Bigelow	Plot Twist	Fake Blood Canister	Left-Handed Sketches	Platinum Blonde	Fear of Crowds
Wright	Slow Motion	Rotary Phone	Right-Handed Sketches	Messy Auburn	Fear of Heights

CLUE 1

The editor needs to tally all the film canisters arriving from the daily shoots. Adding the morning deliveries to the afternoon shipments reveals the cabinet lock code.

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

[illegible]

$$5975 + 3782 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$3586 + 4389 = \boxed{} \rightarrow \boxed{}$$

$1852 + 3422 = \boxed{} \rightarrow \boxed{\text{H}}$

$$3438 + 2022 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$5830 + 2553 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$3940 + 5482 = \boxed{} \rightarrow \boxed{\text{P}}$$

$1499 + 1599 = \boxed{} \rightarrow \boxed{\text{B}}$

$$3107 + 3729 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$4428 + 3016 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$2156 + 2376 = \boxed{} \rightarrow \boxed{0}$$

$$1127 + 2058 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$1795 + 1104 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$4502 + 4325 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4745 + 3267 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$3347 + 6453 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$3015 + 3368 = \boxed{} \rightarrow \boxed{\mathbf{X}}$$

$$4372 + 3212 = \boxed{} \rightarrow \boxed{\mathbf{Y}}$$

$$1504 + 860 = \boxed{} \rightarrow \boxed{\text{N}}$$

Scratch space:

CLUE 2

Multiplication facts (1-12)

The stage manager is organizing promotional posters stored in equal rows on the wall. Multiplying the rows by the posters in each row gives us the master key number.

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

L																	
120	77	80	21	100	63	30	108	77	108	81	15	77	21	18	100	77	81
				L													
132	77	121	77	120	77	80	21	63	21	81	18	77	30	77			

$12 \times 10 = \square \rightarrow \boxed{\text{L}}$

$10 \times 3 = \square \rightarrow \boxed{\text{N}}$

$10 \times 8 = \square \rightarrow \boxed{\text{F}}$

$11 \times 11 = \square \rightarrow \boxed{\text{R}}$

$11 \times 12 = \square \rightarrow \boxed{\text{W}}$

$7 \times 3 = \square \rightarrow \boxed{\text{T}}$

$5 \times 3 = \square \rightarrow \boxed{\text{K}}$

$9 \times 12 = \square \rightarrow \boxed{\text{D}}$

$10 \times 10 = \square \rightarrow \boxed{\text{H}}$

$2 \times 9 = \square \rightarrow \boxed{\text{C}}$

$9 \times 9 = \square \rightarrow \boxed{\text{S}}$

$9 \times 7 = \square \rightarrow \boxed{\text{A}}$

$11 \times 7 = \square \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 3 Subtraction

A frantic rewrite left a trail of discarded script pages across the soundstage. Subtracting the shredded pages from the original draft count reveals the hidden locker combo.

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

T										T								T		
1632	4687	4540	7732	4558	7732	2515	4540	7871	1632	7732	4687	4558	8421	8421	4540	5134	1632	4687	4540	
2515	7741	4323	4540	1293	8421	4540	8421	7871	8401	1293	7732	4558	2501	4540						

$4273 - 2641 = \boxed{} \rightarrow \boxed{\text{T}}$

$11406 - 3674 = \boxed{} \rightarrow \boxed{\text{S}}$

$9437 - 4897 = \boxed{} \rightarrow \boxed{\text{E}}$

$8803 - 382 = \boxed{} \rightarrow \boxed{\text{N}}$

$9435 - 1564 = \boxed{} \rightarrow \boxed{\text{C}}$

$7491 - 2804 = \boxed{} \rightarrow \boxed{\text{H}}$

$4633 - 3340 = \boxed{} \rightarrow \boxed{\text{O}}$

$5351 - 2850 = \boxed{} \rightarrow \boxed{\text{R}}$

$9021 - 620 = \boxed{} \rightarrow \boxed{\text{L}}$

$3317 - 802 = \boxed{} \rightarrow \boxed{\text{P}}$

$5324 - 766 = \boxed{} \rightarrow \boxed{\text{U}}$

$7996 - 3673 = \boxed{} \rightarrow \boxed{\text{G}}$

$8819 - 1078 = \boxed{} \rightarrow \boxed{\text{I}}$

$9028 - 3894 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 4 Rounding

To hide the production expenses from the studio heads, the line producer rounds the exact camera rental budget to the nearest thousand dollars on the ledger.

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

B																			
30	900	9000	3700	500	290	7000	300	3700	370	20	290	370	130	200	20	5000	130	1700	
700	5000	7000	9000	3700	370	20	290	200	9000	900	900	5000	1700						

Round 30 to the nearest ten → **B**

Round 273 to the nearest hundred → **Y**

Round 185 to the nearest hundred → **C**

Round 8,521 to the nearest thousand → **O**

Round 4,835 to the nearest thousand → **A**

Round 515 to the nearest hundred → **D**

Round 3,711 to the nearest hundred → **N**

Round 22 to the nearest ten → **H**

Round 735 to the nearest hundred → **W**

Round 880 to the nearest hundred → **L**

Round 292 to the nearest ten → **E**

Round 366 to the nearest ten → **T**

Round 6,535 to the nearest thousand → **S**

Round 126 to the nearest ten → **I**

Round 1,654 to the nearest hundred → **R**

Scratch space:

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

The head of security must distribute walkie-talkies evenly among the security teams. Dividing the total inventory by the number of active crews reveals the broadcast channel.

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:

$56 \div 8 = \boxed{}$

$60 \div 5 = \boxed{}$

$48 \div 8 = \boxed{}$

$120 \div 12 = \boxed{}$

$45 \div 9 = \boxed{}$

$12 \div 4 = \boxed{}$

$8 \div 2 = \boxed{}$

$5 \div 5 = \boxed{}$

$18 \div 9 = \boxed{}$

$40 \div 5 = \boxed{}$

$99 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain slows down time with an eerie slow motion sequence, then winds up a creepy spooky music box.
2. The villain slows down time with an eerie slow motion sequence, then locks the stage door with a heavy golden key.
3. The villain executes a shocking mid-act plot twist, then cuts the wire of a vintage rotary phone.
4. The villain casts an ominous silhouette with dramatic shadow play, then blinds the witness with a vintage camera flash.
5. The villain slows down time with an eerie slow motion sequence, then blinds the witness with a vintage camera flash.
6. The villain executes a shocking mid-act plot twist, then blinds the witness with a vintage camera flash.
7. The villain slows down time with an eerie slow motion sequence, then cuts the wire of a vintage rotary phone.
8. The villain slows down time with an eerie slow motion sequence, then splashes a canister of fake blood across the set.
9. The villain casts an ominous silhouette with dramatic shadow play, then splashes a canister of fake blood across the set.
10. The villain initiates an abrupt jump scare, then blinds the witness with a vintage camera flash.
11. The villain tilts the camera into a steep Dutch angle, then splashes a canister of fake blood across the set.
12. The villain initiates an abrupt jump scare, then splashes a canister of fake blood across the set.

Answer Key

Sabotage on the Suspense Set

Culprit: Alfred

Shadow Play · Fake Blood Canister · Left-Handed Sketches · Platinum Blonde · Fear of Birds

Trail: Start 21 → Clue 1 19 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT CARRY A SPOOKY MUSIC BOX"

$5975 + 3782 = 9757$ (T) · $3586 + 4389 = 7975$ (I) · $1852 + 3422 = 5274$ (H) · $3438 + 2022 = 5460$ (K) · $5830 + 2553 = 8383$ (M) · $3940 + 5482 = 9422$ (P) · $1499 + 1599 = 3098$ (B) · $3107 + 3729 = 6836$ (D) · $4428 + 3016 = 7444$ (R) · $2156 + 2376 = 4532$ (O) · $1127 + 2058 = 3185$ (S) · $1795 + 1104 = 2899$ (A) · $4502 + 4325 = 8827$ (E) · $4745 + 3267 = 8012$ (C) · $3347 + 6453 = 9800$ (U) · $3015 + 3368 = 6383$ (X) · $4372 + 3212 = 7584$ (Y) · $1504 + 860 = 2364$ (N)

Clue 2 (Multiplication facts (1-12)): "LEFT HANDED SKETCHES WERE LEFT AT SCENE"

$12 \times 10 = 120$ (L) · $10 \times 3 = 30$ (N) · $10 \times 8 = 80$ (F) · $11 \times 11 = 121$ (R) · $11 \times 12 = 132$ (W) · $7 \times 3 = 21$ (T) · $5 \times 3 = 15$ (K) · $9 \times 12 = 108$ (D) · $10 \times 10 = 100$ (H) · $2 \times 9 = 18$ (C) · $9 \times 9 = 81$ (S) · $9 \times 7 = 63$ (A) · $11 \times 7 = 77$ (E)

Clue 3 (Subtraction): "THE SUSPECT SHUNNED THE PIGEON ENCLOSURE"

$4273 - 2641 = 1632$ (T) · $11406 - 3674 = 7732$ (S) · $9437 - 4897 = 4540$ (E) · $8803 - 382 = 8421$ (N) · $9435 - 1564 = 7871$ (C) · $7491 - 2804 = 4687$ (H) · $4633 - 3340 = 1293$ (O) · $5351 - 2850 = 2501$ (R) · $9021 - 620 = 8401$ (L) · $3317 - 802 = 2515$ (P) · $5324 - 766 = 4558$ (U) · $7996 - 3673 = 4323$ (G) · $8819 - 1078 = 7741$ (I) · $9028 - 3894 = 5134$ (D)

Clue 4 (Rounding): "BLONDE SYNTHETIC HAIR WAS ON THE COLLAR"

Round 30 to the nearest ten = 30 (B) · Round 273 to the nearest hundred = 300 (Y) · Round 185 to the nearest hundred = 200 (C) · Round 8,521 to the nearest thousand = 9000 (O) · Round 4,835 to the nearest thousand = 5000 (A) · Round 515 to the nearest hundred = 500 (D) · Round 3,711 to the nearest hundred = 3700 (N) · Round 22 to the nearest ten = 20 (H) · Round 735 to the nearest hundred = 700 (W) · Round 880 to the nearest hundred = 900 (L) · Round 292 to the nearest ten = 290 (E) · Round 366 to the nearest ten = 370 (T) · Round 6,535 to the nearest thousand = 7000 (S) · Round 126 to the nearest ten = 130 (I) · Round 1,654 to the nearest hundred = 1700 (R)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Alfred

$56 \div 8 = 7$ · $60 \div 5 = 12$ · $48 \div 8 = 6$ · $120 \div 12 = 10$ · $45 \div 9 = 5$ · $12 \div 4 = 3$ · $8 \div 2 = 4$ · $5 \div 5 = 1$ · $18 \div 9 = 2$ · $40 \div 5 = 8$ · $99 \div 9 = 11$