



# The Great Pumpkin Heist

Grade 5 math · Skip counting, Subtraction, Rounding, Fractions of a number, Division · Reading level grades 3-4

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

A sneaky thief has snatched the Golden Pumpkin Trophy! Mayor Barnaby needs your detective skills to find the culprit before the spooky parade begins.

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 Pumpkin 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 MAGIC                | TRICK POWER             | STANCE            | DISGUISE HAIR   | WEAKNESS                 |
|------------------------|---------------------------|-------------------------|-------------------|-----------------|--------------------------|
| <b>Zombie Zach</b>     | turning into a bat        | stealing pumpkin pies   | left-handed grab  | neon orange wig | spooky ghost stories     |
| <b>Gaspard Ghost</b>   | throwing pumpkin bombs    | making spooky sounds    | left-handed grab  | pitch black wig | shiny silver flashlights |
| <b>Mummy Mort</b>      | flying on a broom         | making spooky sounds    | left-handed grab  | neon orange wig | shiny silver flashlights |
| <b>Wicked Wendy</b>    | flying on a broom         | floating off the ground | right-handed grab | toxic green wig | spooky ghost stories     |
| <b>Slinky Sid</b>      | flying on a broom         | floating off the ground | right-handed grab | neon orange wig | spooky ghost stories     |
| <b>Howling Hank</b>    | flying on a broom         | glowing in the dark     | left-handed grab  | neon orange wig | spooky ghost stories     |
| <b>Bones Malone</b>    | brewing sleeping potions  | glowing in the dark     | left-handed grab  | neon orange wig | spooky ghost stories     |
| <b>Vampire Vick</b>    | summoning skeleton armies | spinning spider webs    | left-handed grab  | pitch black wig | shiny silver flashlights |
| <b>Eerie Elsa</b>      | throwing pumpkin bombs    | stealing pumpkin pies   | left-handed grab  | pitch black wig | shiny silver flashlights |
| <b>Fangs Freddy</b>    | summoning skeleton armies | glowing in the dark     | left-handed grab  | pitch black wig | shiny silver flashlights |
| <b>Specter Sally</b>   | flying on a broom         | stealing pumpkin pies   | right-handed grab | toxic green wig | shiny silver flashlights |
| <b>Creepy Carla</b>    | throwing pumpkin bombs    | stealing pumpkin pies   | left-handed grab  | toxic green wig | cheesy monster jokes     |
| <b>Wolfman Jack</b>    | turning into a bat        | stealing pumpkin pies   | left-handed grab  | pitch black wig | spooky ghost stories     |
| <b>Shadow Shawn</b>    | summoning skeleton armies | spinning spider webs    | left-handed grab  | neon orange wig | spooky ghost stories     |
| <b>Goblin Gary</b>     | flying on a broom         | floating off the ground | right-handed grab | pitch black wig | shiny silver flashlights |
| <b>Spooky Sam</b>      | brewing sleeping potions  | spinning spider webs    | right-handed grab | neon orange wig | spooky ghost stories     |
| <b>Bramble Jack</b>    | brewing sleeping potions  | spinning spider webs    | left-handed grab  | pitch black wig | spooky ghost stories     |
| <b>Frankenstein</b>    | flying on a broom         | glowing in the dark     | left-handed grab  | toxic green wig | spooky ghost stories     |
| <b>Casper Friendly</b> | brewing sleeping potions  | floating off the ground | left-handed grab  | pitch black wig | spooky ghost stories     |
| <b>Witch Hazel</b>     | flying on a broom         | stealing pumpkin pies   | right-handed grab | pitch black wig | spooky ghost stories     |
| <b>Bony Brenda</b>     | brewing sleeping potions  | floating off the ground | left-handed grab  | neon orange wig | spooky ghost stories     |

## CLUE 1 Skip counting

The security guard tracked footprints across the pumpkin patch. To find the next clue, we must count the tracks skipping every third pumpkin.

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

|    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|
| T  |    |    | T  |    |    |    |     |     |    |    |    |    |    | T  |    |
| 80 | 22 | 28 | 80 | 22 | 60 | 28 | 100 | 130 | 42 | 28 | 15 | 18 | 42 | 80 |    |
|    | T  |    |    |    |    |    |     |     |    |    |    |    |    |    |    |
| 15 | 80 | 28 | 26 | 45 | 12 | 36 | 35  | 12  | 70 | 60 | 18 | 12 | 60 | 28 | 15 |

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, \_\_, 90, 100  → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, \_\_, 40, 45  → **M**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, \_\_, 140, 150  → **D**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, \_\_, 18, 21  → **S**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, \_\_, 20, 22  → **N**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, \_\_, 39, 42  → **U**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, \_\_, 45, 48  → **O**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, \_\_, 15, 18  → **P**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, \_\_, 50, 55  → **L**

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

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

Scratch space:

## CLUE 2 Subtraction

The candy corn stash was raided by the thief. If we subtract the eaten pieces from the original pile, we can unlock the second clue.

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

|              |             |             |              |             |             |             |             |             |             |             |             |             |             |             |             |             |              |
|--------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <div>T</div> | <div></div> | <div></div> | <div>T</div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div>T</div> |
| 4281         | 3338        | 5383        | 4281         | 3338        | 8277        | 5383        | 2717        | 1113        | 1592        | 5383        | 7586        | 1020        | 5611        | 5383        | 2717        | 4281        |              |

  

|             |             |             |             |             |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |
| 3338        | 1020        | 5171        | 7586        | 5383        | 7586        | 6254        | 1817        | 1020        | 1413        |

|                                           |                                          |                                           |
|-------------------------------------------|------------------------------------------|-------------------------------------------|
| 8875 - 4594 = <div></div> → <div>T</div>  | 3805 - 2692 = <div></div> → <div>U</div> | 6346 - 92 = <div></div> → <div>G</div>    |
| 2932 - 1912 = <div></div> → <div>A</div>  | 3233 - 1416 = <div></div> → <div>R</div> | 3948 - 1231 = <div></div> → <div>F</div>  |
| 9203 - 3820 = <div></div> → <div>E</div>  | 4851 - 3438 = <div></div> → <div>B</div> | 10002 - 1725 = <div></div> → <div>I</div> |
| 11829 - 4243 = <div></div> → <div>D</div> | 8240 - 3069 = <div></div> → <div>N</div> | 7466 - 4128 = <div></div> → <div>H</div>  |
| 8977 - 3366 = <div></div> → <div>L</div>  | 3274 - 1682 = <div></div> → <div>S</div> |                                           |

Scratch space:

### CLUE 3 Rounding

The carnival radar screen shows the thief escaping. The radar only displays numbers rounded to the nearest ten, so we must round the speed to read the clue.

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

|      |     |      |      |     |      |      |    |     |      |      |      |      |      |      |      |      |      |      |
|------|-----|------|------|-----|------|------|----|-----|------|------|------|------|------|------|------|------|------|------|
| T    |     |      | T    |     |      |      |    |     |      | T    |      |      |      |      |      |      |      |      |
| 9000 | 900 | 5000 | 9000 | 900 | 1700 | 5000 | 50 | 900 | 7000 | 9000 | 5000 | 1100 | 1100 | 4300 | 2000 | 2000 | 3000 | 2900 |

  

|     |     |      |      |      |      |      |      |      |      |      |      |  |
|-----|-----|------|------|------|------|------|------|------|------|------|------|--|
|     |     |      |      | T    |      | T    |      |      |      |      |      |  |
| 290 | 900 | 2000 | 1100 | 9000 | 1100 | 9000 | 2000 | 2300 | 1700 | 5000 | 1100 |  |

Round 8,706 to the nearest thousand  → **T**

Round 6,616 to the nearest thousand  → **A**

Round 2,323 to the nearest hundred  → **R**

Round 1,661 to the nearest hundred  → **I**

Round 4,255 to the nearest hundred  → **P**

Round 48 to the nearest ten  → **F**

Round 2,462 to the nearest thousand  → **O**

Round 288 to the nearest ten  → **G**

Round 3,231 to the nearest thousand  → **K**

Round 4,745 to the nearest thousand  → **E**

Round 1,074 to the nearest hundred  → **S**

Round 2,897 to the nearest hundred  → **Y**

Round 896 to the nearest hundred  → **H**

Scratch space:

**CLUE 4**

## Fractions of a number

A group of friendly bats wants to help us. If we can find exactly one-third of the bats in the tree, they will point us to the fourth clue.

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

|          |    |    |    |    |   |    |   |    |    |   |    |   |    |   |    |    |
|----------|----|----|----|----|---|----|---|----|----|---|----|---|----|---|----|----|
| <b>W</b> |    |    |    |    |   |    |   |    |    |   |    |   |    |   |    |    |
| 20       | 34 | 13 | 10 | 29 | 7 | 33 | 7 | 34 | 10 | 7 | 10 | 8 | 36 | 7 | 22 | 34 |

  

|          |   |    |    |   |   |    |   |    |    |
|----------|---|----|----|---|---|----|---|----|----|
| <b>W</b> |   |    |    |   |   |    |   |    |    |
| 20       | 3 | 22 | 37 | 6 | 8 | 36 | 7 | 33 | 37 |

|                                               |                                                |                                                 |
|-----------------------------------------------|------------------------------------------------|-------------------------------------------------|
| $2/6$ of 60 = <input type="text"/> → <b>W</b> | $4/10$ of 55 = <input type="text"/> → <b>G</b> | $3/6$ of 6 = <input type="text"/> → <b>I</b>    |
| $2/4$ of 12 = <input type="text"/> → <b>T</b> | $1/6$ of 42 = <input type="text"/> → <b>N</b>  | $1/3$ of 102 = <input type="text"/> → <b>E</b>  |
| $2/6$ of 30 = <input type="text"/> → <b>O</b> | $4/8$ of 66 = <input type="text"/> → <b>D</b>  | $2/10$ of 185 = <input type="text"/> → <b>S</b> |
| $1/6$ of 78 = <input type="text"/> → <b>F</b> | $1/3$ of 87 = <input type="text"/> → <b>U</b>  | $6/8$ of 48 = <input type="text"/> → <b>A</b>   |
| $1/4$ of 32 = <input type="text"/> → <b>R</b> |                                                |                                                 |

Scratch space:

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

A bag of glow sticks needs to be shared equally among the detective team. Solving this division problem will reveal 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:**

$44 \div 4 = \boxed{\phantom{00}}$

$8 \div 2 = \boxed{\phantom{00}}$

$36 \div 3 = \boxed{\phantom{00}}$

$15 \div 5 = \boxed{\phantom{00}}$

$30 \div 6 = \boxed{\phantom{00}}$

$84 \div 12 = \boxed{\phantom{00}}$

$99 \div 11 = \boxed{\phantom{00}}$

$14 \div 7 = \boxed{\phantom{00}}$

$12 \div 12 = \boxed{\phantom{00}}$

$32 \div 4 = \boxed{\phantom{00}}$

$48 \div 8 = \boxed{\phantom{00}}$

**Step 2 - cross out the sentence with each answer:**

1. The villain throws a glowing pumpkin bomb, then makes creepy howling sounds.
2. The villain throws a glowing pumpkin bomb, then spins a web of sticky spider webs.
3. The villain summons a tiny skeleton army, then glows in the dark spooky green.
4. The villain brews a smelly sleeping potion, then glows in the dark spooky green.
5. The villain turns into a squeaky bat, then spins a web of sticky spider webs.
6. The villain flies away on a broomstick, then makes creepy howling sounds.
7. The villain turns into a squeaky bat, then floats an inch off the cold ground.
8. The villain summons a tiny skeleton army, then makes creepy howling sounds.
9. The villain summons a tiny skeleton army, then steals all the fresh pumpkin pies.
10. The villain flies away on a broomstick, then glows in the dark spooky green.
11. The villain brews a smelly sleeping potion, then floats an inch off the cold ground.
12. The villain summons a tiny skeleton army, then spins a web of sticky spider webs.

# Answer Key

## The Great Pumpkin Heist

### Culprit: Howling Hank

flying on a broom · glowing in the dark · left-handed grab · neon orange wig · spooky ghost stories

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

#### Clue 1 (Skip counting): "THE THIEF DOES NOT STEAL PUMPKIN PIES"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, \_\_, 90, 100 = 80 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, \_\_, 40, 45 = 35 (M) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, \_\_, 28, 30 = 26 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, \_\_, 140, 150 = 130 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, \_\_, 30, 32 = 28 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, \_\_, 18, 21 = 15 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, \_\_, 20, 22 = 18 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, \_\_, 75, 80 = 70 (K) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, \_\_, 39, 42 = 36 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, \_\_, 45, 48 = 42 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, \_\_, 110, 120 = 100 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, \_\_, 15, 18 = 12 (P) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, \_\_, 50, 55 = 45 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26 = 22 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, \_\_, 65, 70 = 60 (I)

#### Clue 2 (Subtraction): "THE THIEF USED A LEFT HANDED GRAB"

8875 - 4594 = 4281 (T) · 3805 - 2692 = 1113 (U) · 6346 - 92 = 6254 (G) · 2932 - 1912 = 1020 (A) · 3233 - 1416 = 1817 (R) · 3948 - 1231 = 2717 (F) · 9203 - 3820 = 5383 (E) · 4851 - 3438 = 1413 (B) · 10002 - 1725 = 8277 (I) · 11829 - 4243 = 7586 (D) · 8240 - 3069 = 5171 (N) · 7466 - 4128 = 3338 (H) · 8977 - 3366 = 5611 (L) · 3274 - 1682 = 1592 (S)

#### Clue 3 (Rounding): "THE THIEF HATES SPOOKY GHOST STORIES"

Round 8,706 to the nearest thousand = 9000 (T) · Round 6,616 to the nearest thousand = 7000 (A) · Round 2,323 to the nearest hundred = 2300 (R) · Round 1,661 to the nearest hundred = 1700 (I) · Round 4,255 to the nearest hundred = 4300 (P) · Round 48 to the nearest ten = 50 (F) · Round 2,462 to the nearest thousand = 2000 (O) · Round 288 to the nearest ten = 290 (G) · Round 3,231 to the nearest thousand = 3000 (K) · Round 4,745 to the nearest thousand = 5000 (E) · Round 1,074 to the nearest hundred = 1100 (S) · Round 2,897 to the nearest hundred = 2900 (Y) · Round 896 to the nearest hundred = 900 (H)

#### Clue 4 (Fractions of a number): "WE FOUND NEON ORANGE WIG STRANDS"

$\frac{2}{6}$  of 60 = 20 (W) ·  $\frac{4}{10}$  of 55 = 22 (G) ·  $\frac{3}{6}$  of 6 = 3 (I) ·  $\frac{2}{4}$  of 12 = 6 (T) ·  $\frac{1}{6}$  of 42 = 7 (N) ·  $\frac{1}{3}$  of 102 = 34 (E) ·  $\frac{2}{6}$  of 30 = 10 (O) ·  $\frac{4}{8}$  of 66 = 33 (D) ·  $\frac{2}{10}$  of 185 = 37 (S) ·  $\frac{1}{6}$  of 78 = 13 (F) ·  $\frac{1}{3}$  of 87 = 29 (U) ·  $\frac{6}{8}$  of 48 = 36 (A) ·  $\frac{1}{4}$  of 32 = 8 (R)

#### Clue 5 (Division facts (1-12)): surviving statement is box 10 → Howling Hank

$44 \div 4 = 11$  ·  $8 \div 2 = 4$  ·  $36 \div 3 = 12$  ·  $15 \div 5 = 3$  ·  $30 \div 6 = 5$  ·  $84 \div 12 = 7$  ·  $99 \div 11 = 9$  ·  $14 \div 7 = 2$  ·  $12 \div 12 = 1$  ·  $32 \div 4 = 8$  ·  $48 \div 8 = 6$