HALLOWEEN HEIST
PUZZLE 1

△ + △ + △ = 24

△ + ◯ = 25

◯ − ⬠ = 8

◯ + △ + ⬠ =

Track the correct answer to the final square (circle plus triangle plus pentagon) on your tracking sheet.

HALLOWEEN HEIST PUZZLE 2

Code breaker

A code is a way of writing a message in secret.
The code below is very easy.
Each letter of the alphabet is replaced by a number.
Send your message in numbers and then your friend can use the de-coder to find out what it says.

THE DE-CODER

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

So, if I want to write 'hello' I would write 8 for H, 5 for E, 12 for L and 12 for L again and then 15 for 0.
My code would be 8 5 12 12 15

Now try and work out what this says.

The code:

9			1	13		2	18	9	12	12	9	1	14	20

1	20		13	1	20	8								

Track the words for the puzzle when you crack the code on your tracking sheet.

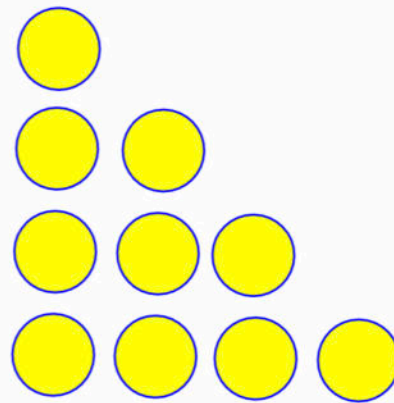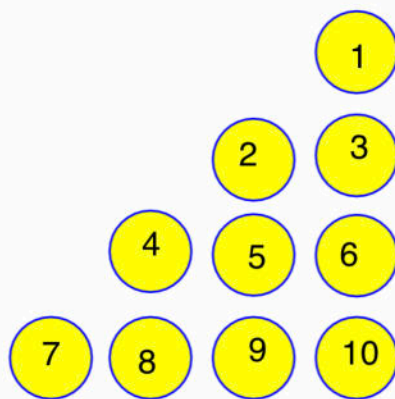# HALLOWEEN HEIST PUZZLE 3

Counter reflection

Sometimes the easiest things are the most annoying - when you can't do them! Have a go at this:

change　　　　　　　　　　**into**

Sounds easy - eh! But there is a snag!

You can only move three counters!!

Track the numbers of the 3 counters you move to create the mirror image when you solve the puzzle on your tracking sheet.

HALLOWEEN HEIST PUZZLE 4

Puzzle time

Digit detector

You have got to be a detective to sole the problem below.

What is the least number of calculations you need to do to be absolutely certain of how much Norman Number is worth?

You must do them in the order shown.

How many am I?

1. I am a three digit number.

2. I am an odd number.

3. I am divisible by 5.

4. Each of my digits is different.

5. My digits add up to 8.

6. The tens digit is smaller than the hundreds digit.

7. I am less than 300.

8. I have only one even digit.

Track the mystery number on your tracking sheet (there is only one possible answer).

HALLOWEEN HEIST PUZZLE 5

24 GAME

1   4   9   7

Use only the following four operations (addition, subtraction, division, multiplication) to make a number sentence that equals 24.
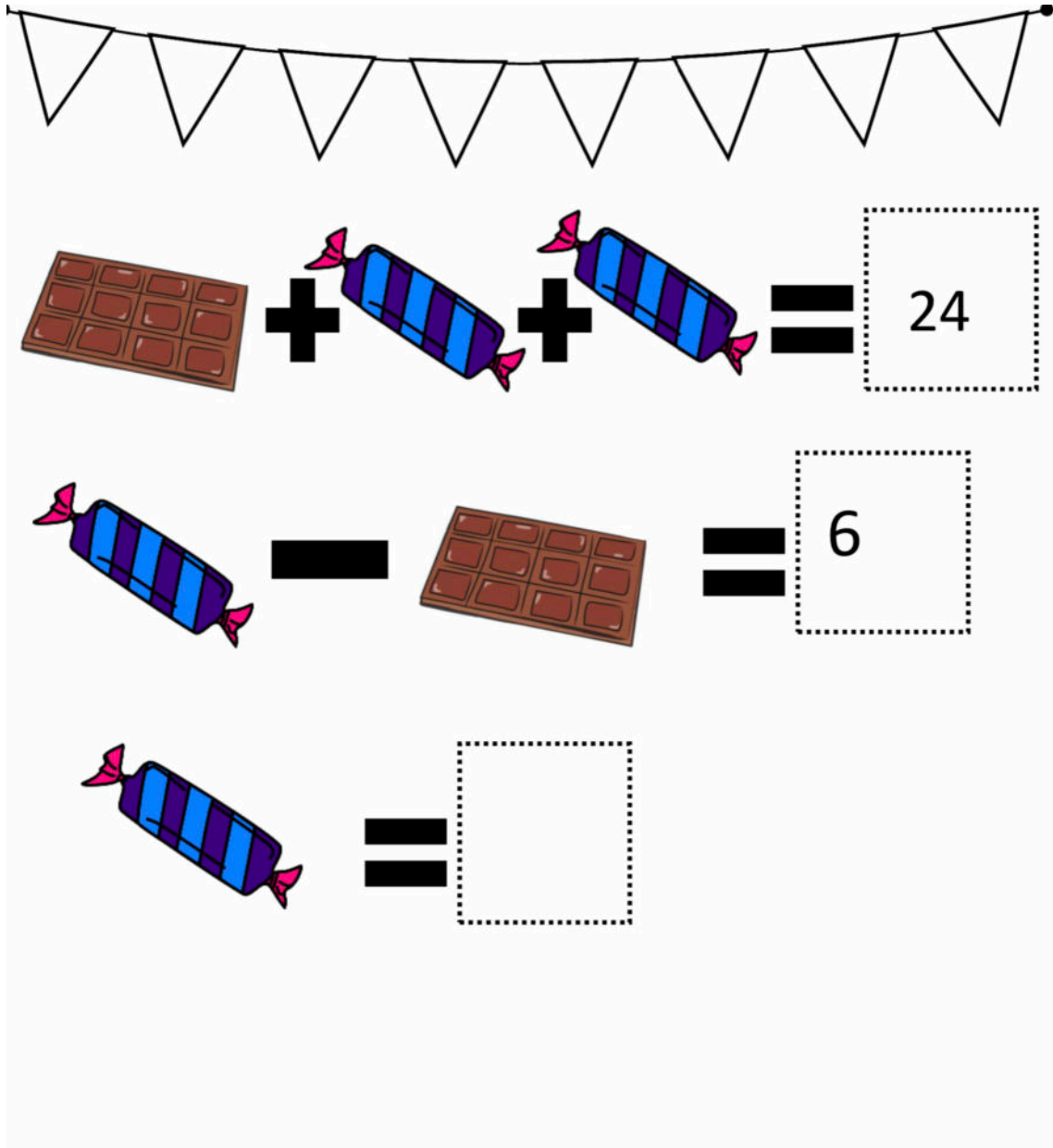
X   +   −   ÷

Enter the full number sentence on your tracking sheet.

HALLOWEEN HEIST PUZZLE 6

Chocolate + Candy + Candy = 24

Candy − Chocolate = 6

Candy = ☐

Track the answer for the blank square (the candy piece value) on your tracking sheet.

HALLOWEEN HEIST PUZZLE 7

SHAPE PUZZLE

I am a 2D shape.

I have two sets of parallel sides.

All my side lengths are the same.

I have four vertices.

I have two acute angles and two obtuse angles.

My angles add up to 360°

What shape am I?

Name:

HALLOWEEN HEIST
TRACKING SHEET

Race to hand in the heist sheet to prove you are the ultimate detective/genius!
How many can you solve before time is up? If combined as a class we can solve
them all, you will unlock a bonus treat for everyone!

PUZZLE 1	
PUZZLE 2	
PUZZLE 3	
PUZZLE 4	
PUZZLE 5	
PUZZLE 6	
PUZZLE 7	

HALLOWEEN HEIST TRACKING SHEET

Race to hand in the heist sheet to prove you are the ultimate detective/genius! How many can you solve before time is up? If combined as a class we can solve them all, you will unlock a bonus treat for everyone!

PUZZLE 1	Triangle = 8 Circle = 17 Pentagon = 9 Answer = 34
PUZZLE 2	I am brilliant at math.
PUZZLE 3	1, 3, 7
PUZZLE 4	215
PUZZLE 5	(9-1) x (7-4)
PUZZLE 6	10
PUZZLE 7	Rhombus