On the Grid: All Hallow's Eve

Use the coordinates below to reveal the spooky scene that the grid holds. Connect the points with a solid line. The bats indicate where you should pick up your pencil and start a new line. Once you have finished drawing, write down what you think is happening in this Halloween scene!

x,y
7, 29
4, 28
3, 25
4, 23
5, 22
7, 21
9, 22
10, 23
8, 23
6, 25
6, 27
7, 29


x,y
17, 17
18, 22
20, 17
22, 16
15, 16
17, 17
20, 17


x,y
20, 16
21, 15
23, 14
21, 14
21, 12
18, 14
18, 16
17, 16
15, 15
17, 15
15, 14
17, 14
15, 12
18, 13
18, 14

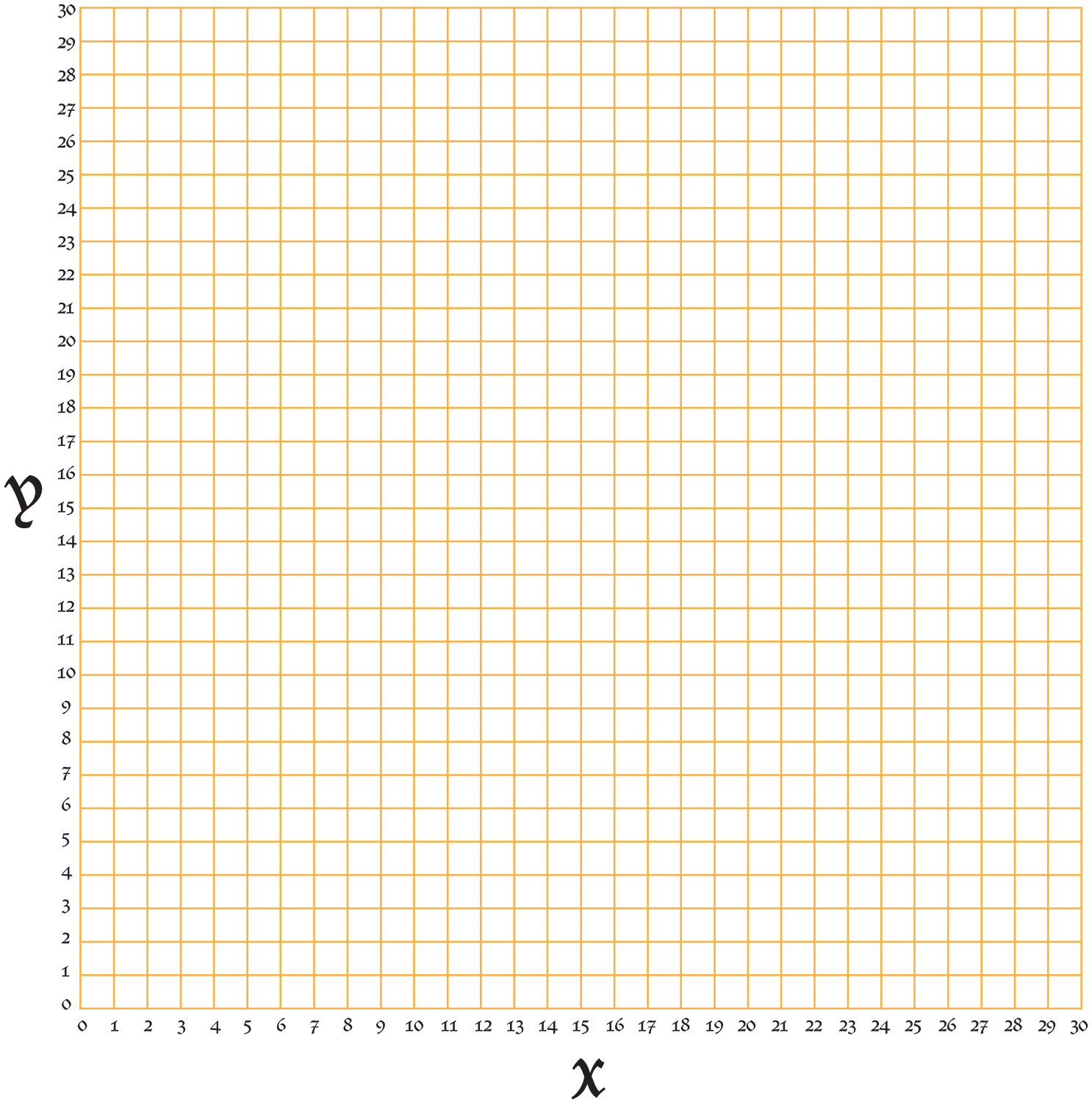

x,y
19, 13
20, 12
24, 7
21, 7
19, 11
14, 8
17, 5
15, 0
8, 3
11, 5
11, 8
12, 10
18, 13


x,y
15, 7
22, 7
23, 6
24, 7
27, 7
27, 6
16, 6


x,y
11, 7
6, 7
6, 6
11, 6

6, 7
4, 9
5, 7
1, 8
4, 7
1, 6
3, 6
2, 5
5, 6
3, 4
6, 6

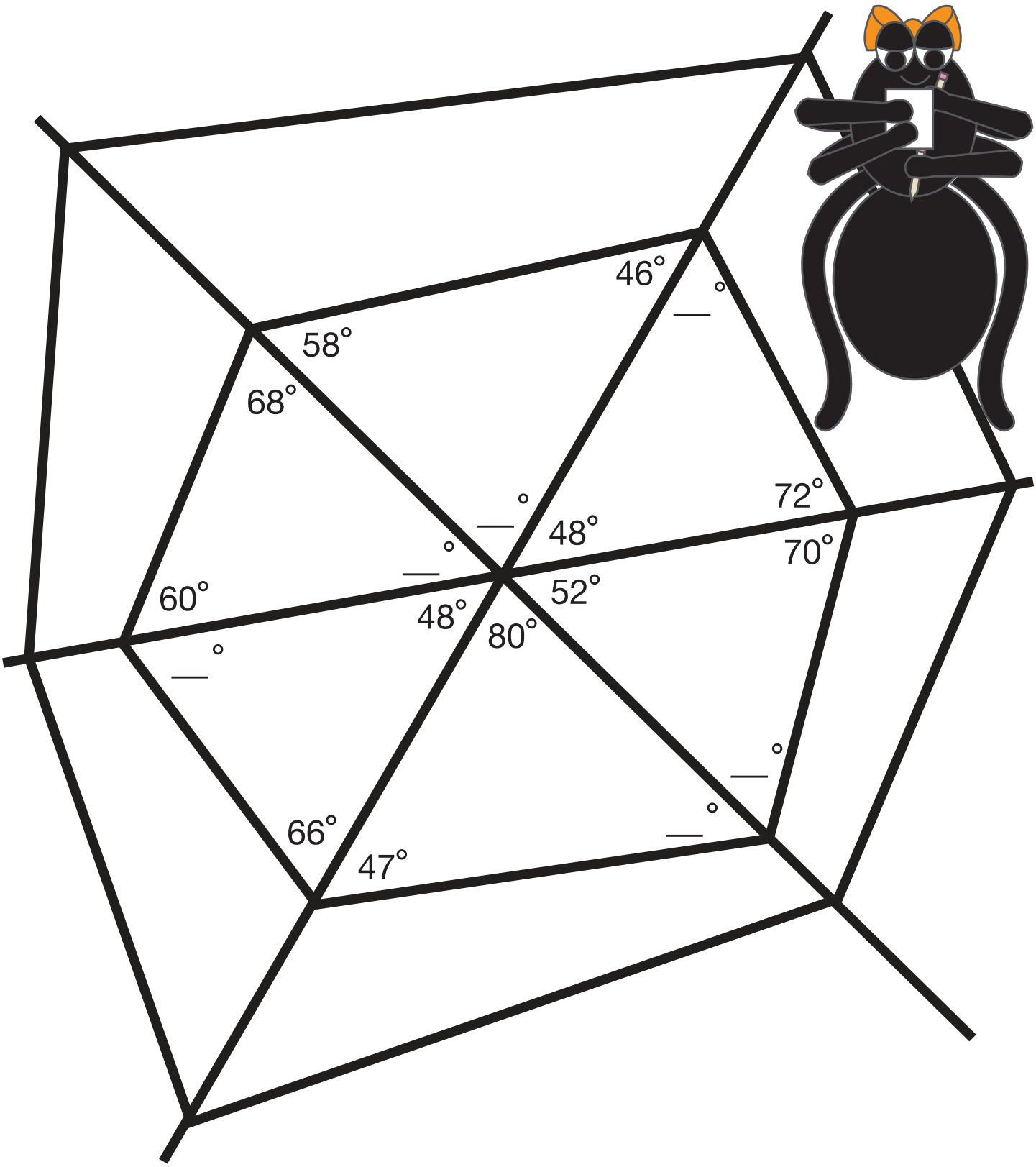

On the Grid: All Hallow's Eve



What is happening in this Halloween scene?

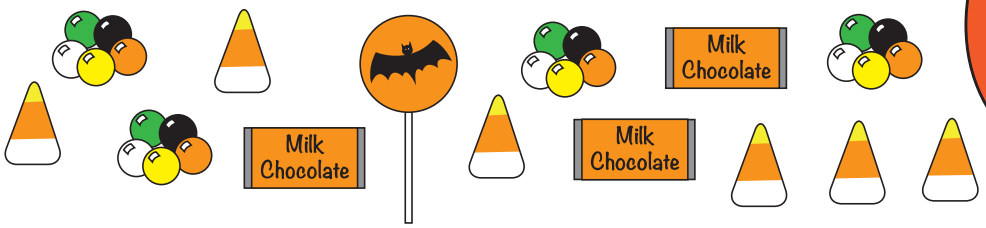
Weaving A Perfect Web

Sarah the spider has just finished her web and it's exactly how she likes it. She wants to have a drawing of her web so she can weave this web over and over again. Help Sarah find the missing angles in her web drawing. Remember, all the interior angles of a triangle add up to 180 degrees.



Trick-or-Treat!

After a night of trick-or-treating, Roger has a basket full of candy!
Let's find the probability of Roger picking each candy from his basket.
Write your answer as a fraction, and reduce it if you can!



Example:

What is the probability of Roger picking gumballs from his basket? $\frac{4}{14} = \frac{2}{7}$

1. What is the probability of picking a chocolate bar? _____

2. What is the probablility of picking a candy corn? _____

3. What is the probability of picking a lollipop? _____

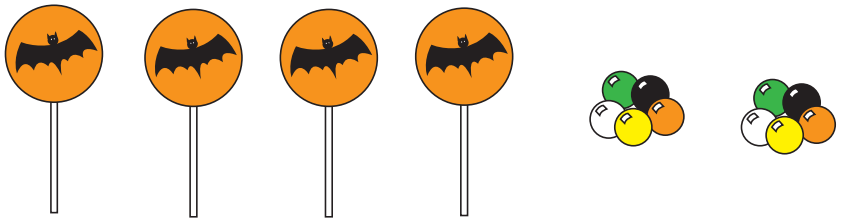
4. What candy is most likely to be picked? _____

5. What candy is least likely to be picked? _____

6. What is the probability of picking a candy that is not a candy corn? _____

7. What is the probability of picking a candy that is not a lollipop? _____

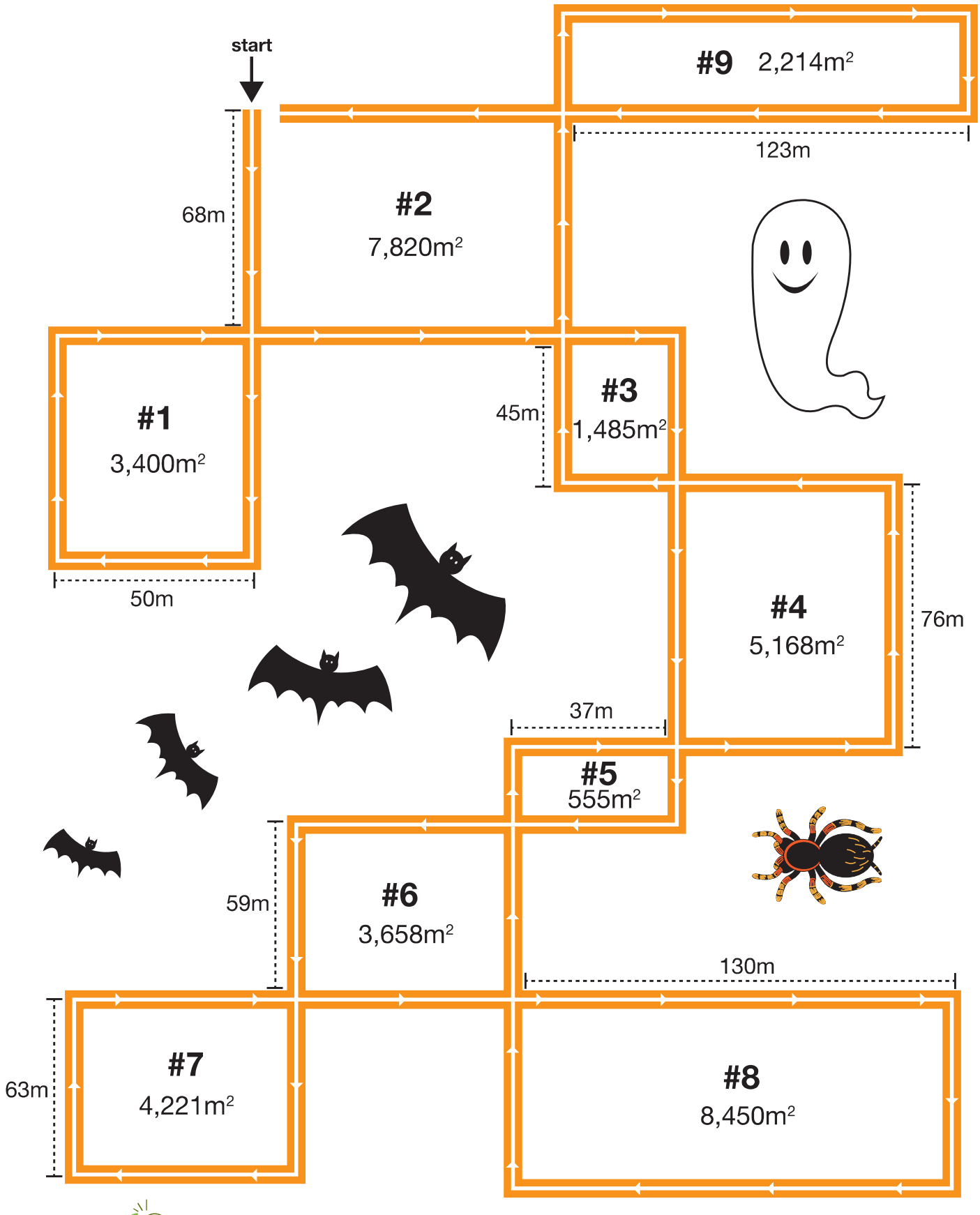
8. What is the probability of picking a gumball or chocolate bar? _____



★ Roger decides to go trick-or-treating down one more street. He adds 4 more lollipops and 2 more gumballs to his basket. Now what is the probability of picking a lollipop? _____

Trekking Through Transylvania

Timmy and Tina are taking their annual Halloween tour through Transylvania. Find the total lengh of their trek by finding the lengh of each segment. In each rectangular loop, the area and the length of one side are given. Use division to find the length of the unmarked side. Once you've found all the lengths, add them together to find the total length.



Trekking Through Transylvania

Use this page to organize your equations and show your work.

Remember:

area = length x width

$$\text{length} = \frac{\text{area}}{\text{width}}$$

$$\text{width} = \frac{\text{area}}{\text{length}}$$

m = meters

m^2 = square meters

#1

length = 50m

width = 68m

area = 3400m²

perimeter:

50+68+50+68
=236m

$$\begin{array}{r} 68 \\ 50\overline{)3400} \\ 300 \\ \hline 400 \\ 400 \\ \hline 0 \end{array}$$

#2

length =

width = 68m

area = 7820m²

perimeter:

#3

length =

width = 45m

area = 1485m²

perimeter:

#4

length =

width = 76m

area = 5168m²

perimeter:

#5

length = 37m

width =

area = 555m²

perimeter:

#6

length =

width = 59m

area = 3658m²

perimeter:

#7

length =

width = 63m

area = 4221m²

perimeter:

#8

length = 130m

width =

area = 8,450m²

perimeter:

#9

length = 123m

width =

area = 2214m²

perimeter:

Now add up all the perimeters to find the total length of the trek through Transylvania!

Total length = _____

Great job!

_____

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Answer Sheets

Spooky Math