

BOT BOWLING



CREATED BY BROOKE BROWN

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WHAT YOU NEED

1) Plastic Bowling Pins

(If you're using for only one group of students at a time, you will only need one set of bowling pins.

You can switch out the cards on the front with Velcro.)

2) VELCRO DOTS

3) Suggested Robots

- Sphero Spark
- Sphero Bolt
- Sphero Ollie
- Sphero Mini
- Dash
- BeeBot
- Code and Go Mouse
- Botley
- Any other robot that is strong enough to push over the bowling pins

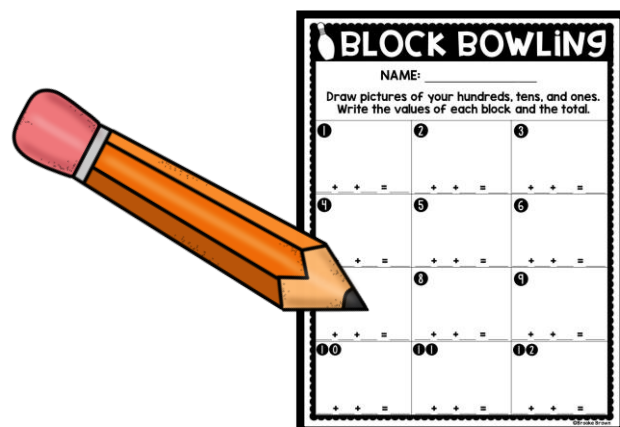
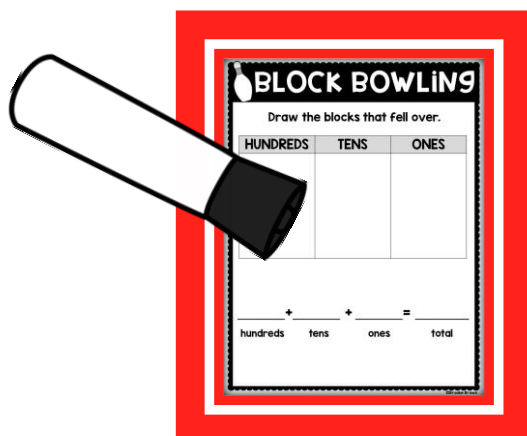
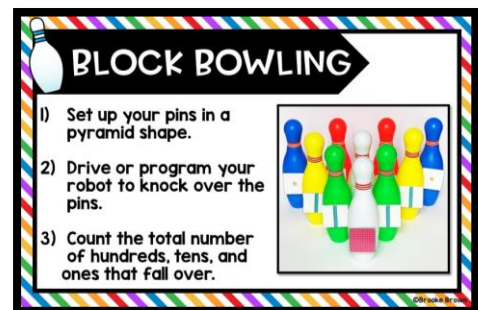
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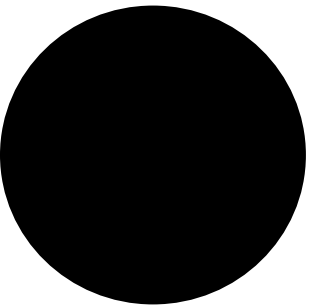
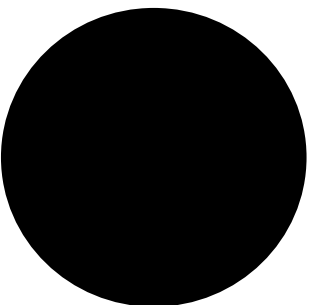
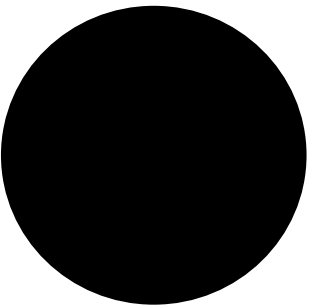
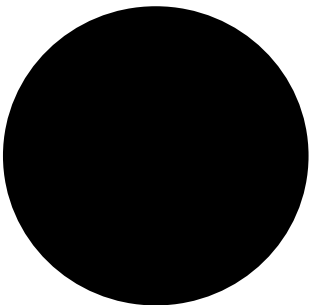
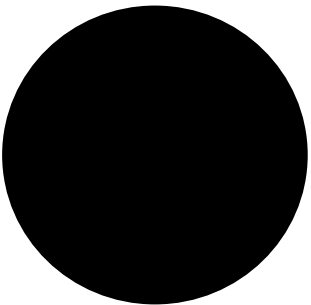
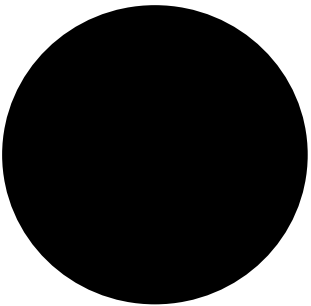
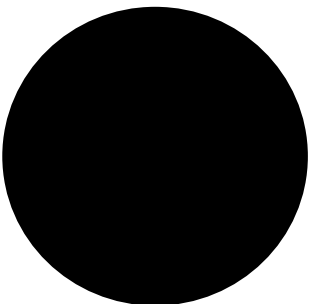
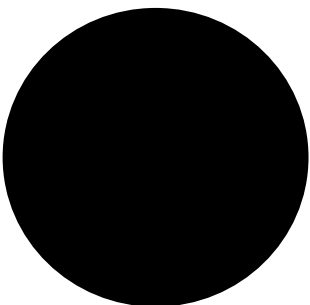
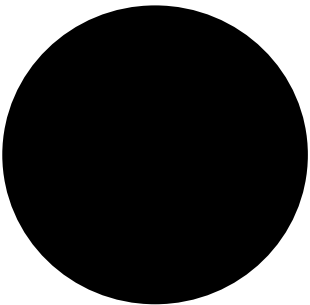
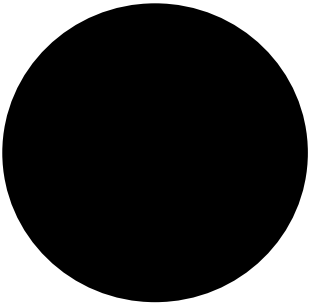
Bot Bowling can be used as a math center or robotics center, and can also be used as a whole class if you have multiple bowling sets. Print the provided cards on cardstock and laminate for durability. Adhere to the front of the bowling pins with Velcro dots so that you can easily change out skills.

Direction cards can be folded in half as tabletop tents to display at each station. These cards can be stored in gallon-sized ziplock baggies with extra pieces when not in use.

Students will set up the pins using the pin guides in groups of 6 or 10 and either drive or program the robot to knock over as many pins as possible in one run or sequence of code. You may change out the cards to increase or decrease difficulty. For example, the "Add it Up" station can be increased to 10 pins or you can change to multiples of 10.

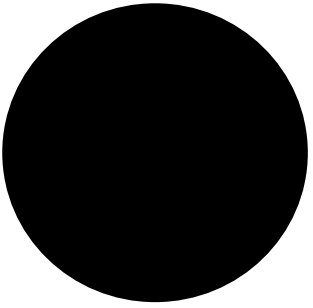
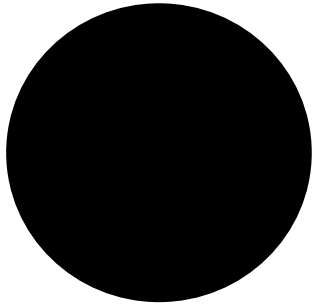
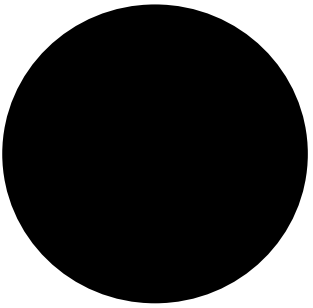
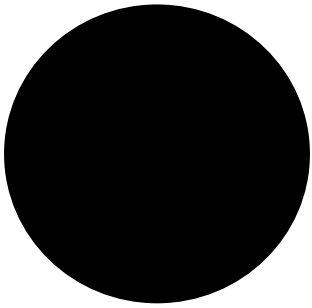
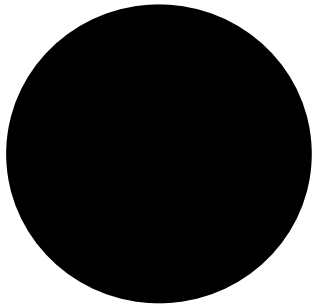
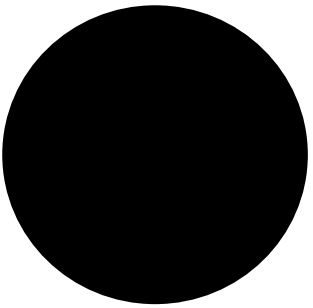
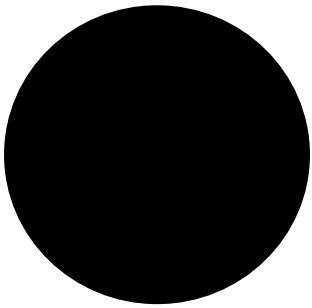
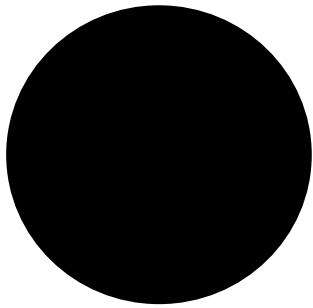
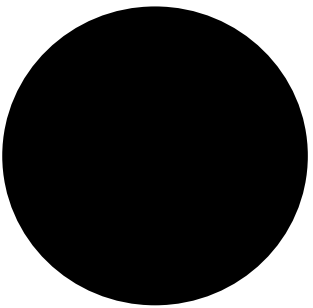
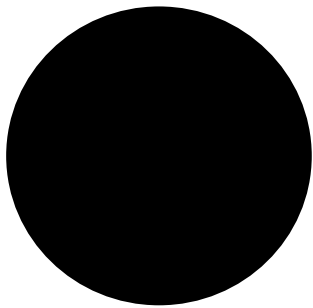
Students can record and deepen their understanding of the math concept after each turn in one of two ways: a write and wipe mat OR a reproducible recording sheet.



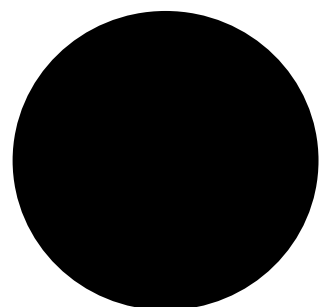
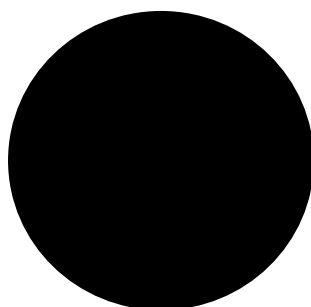
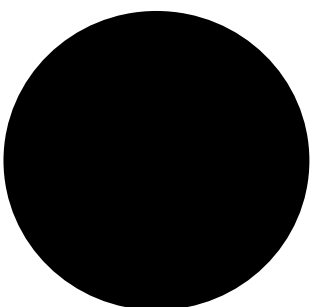
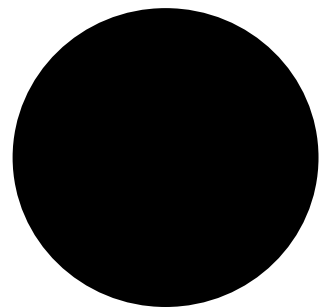
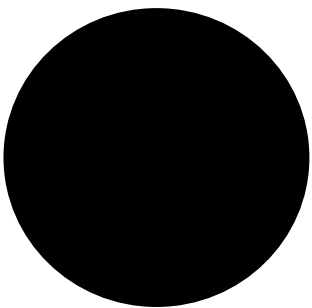
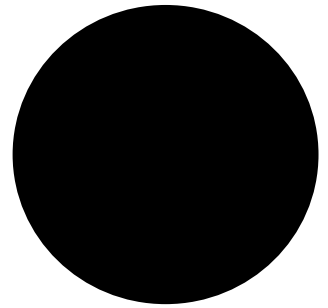
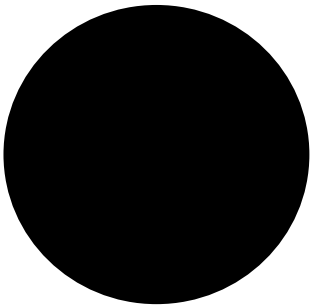
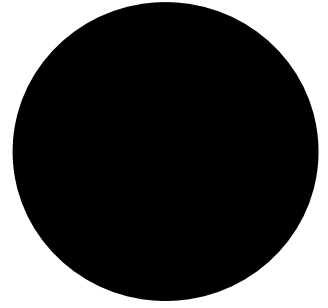
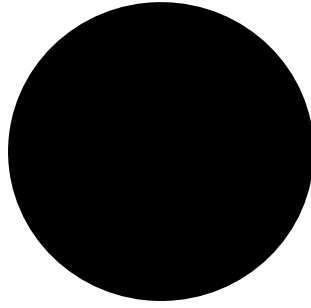
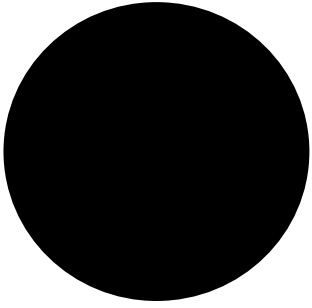


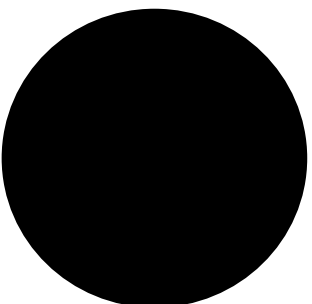
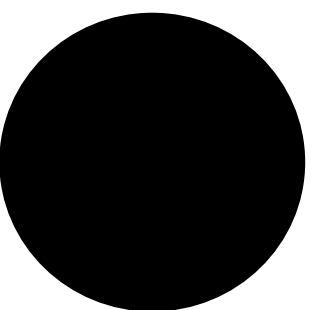
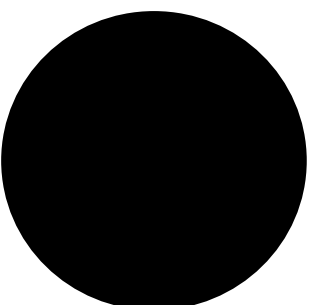
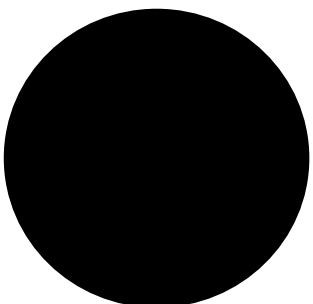
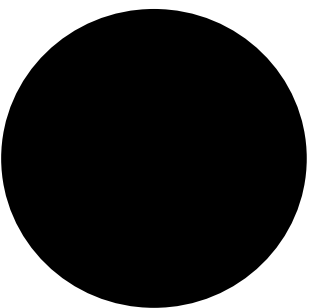
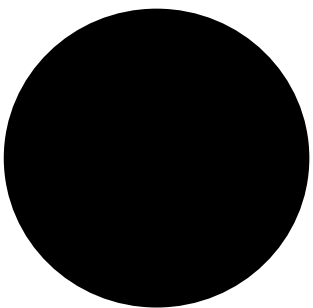
PIN GUIDE

PIN GUIDE

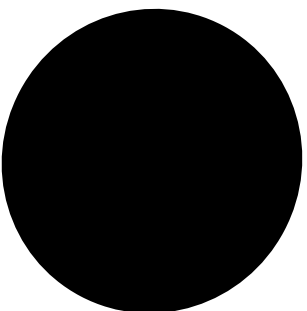
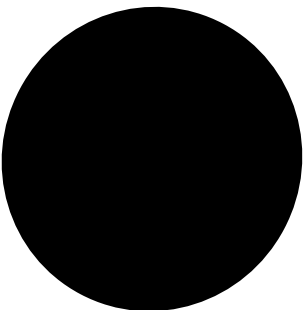
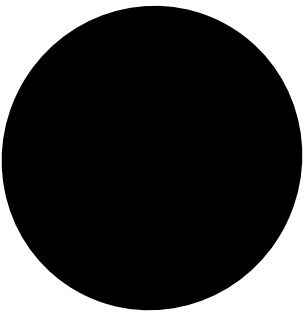
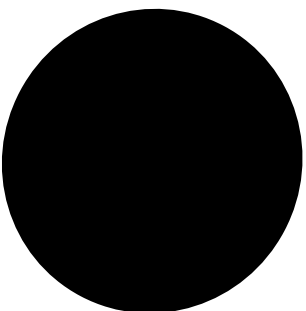
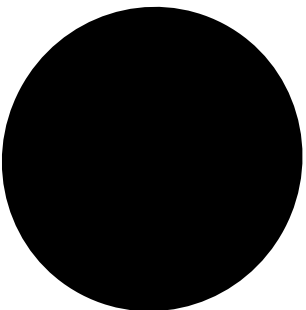
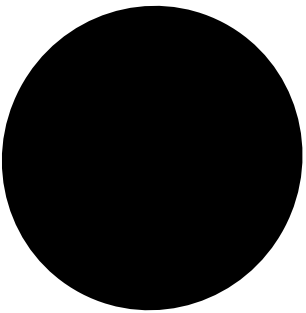


PIN GUIDE

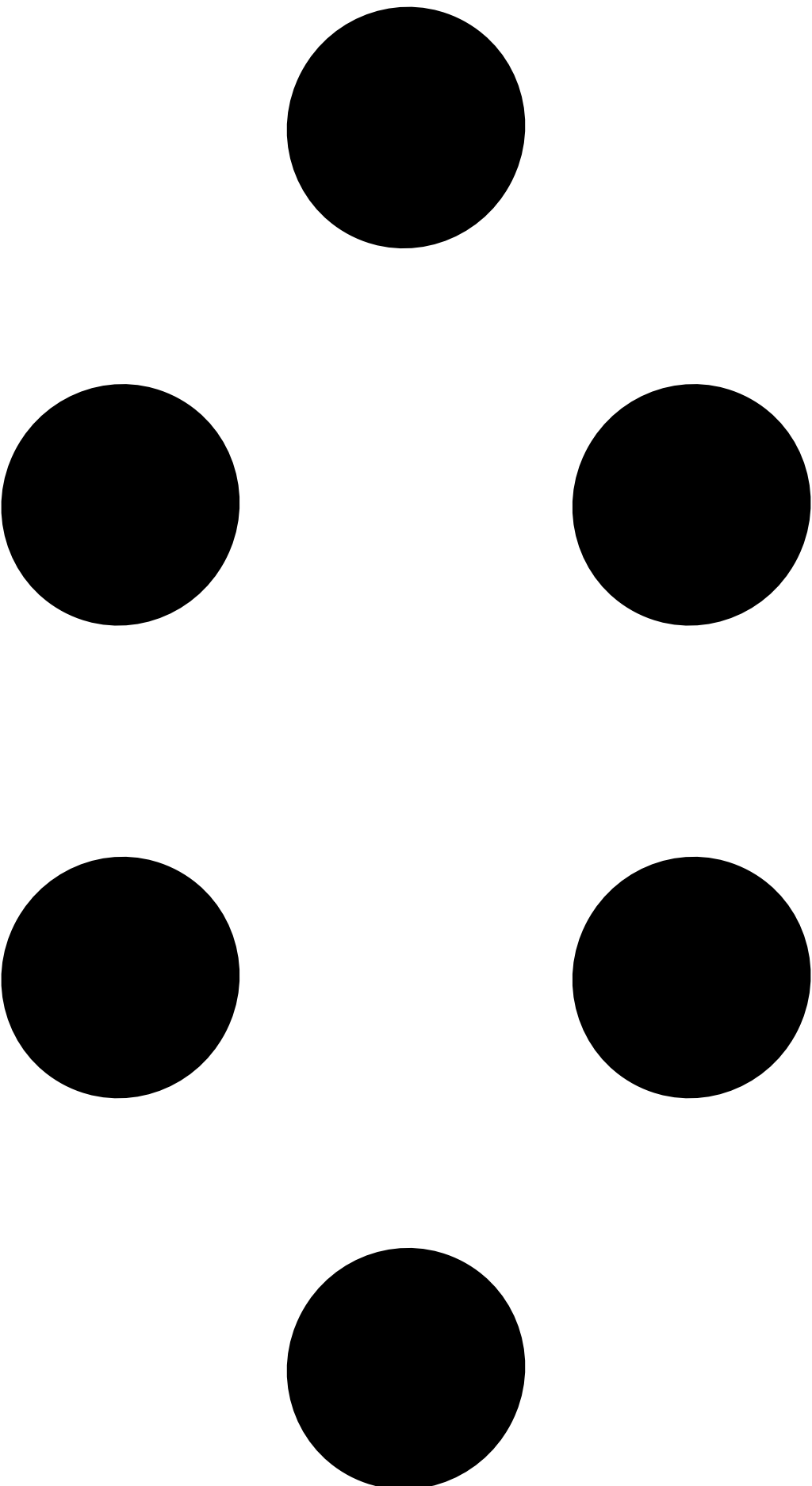




PIN GUIDE



PIN GUIDE



PIN GUIDE

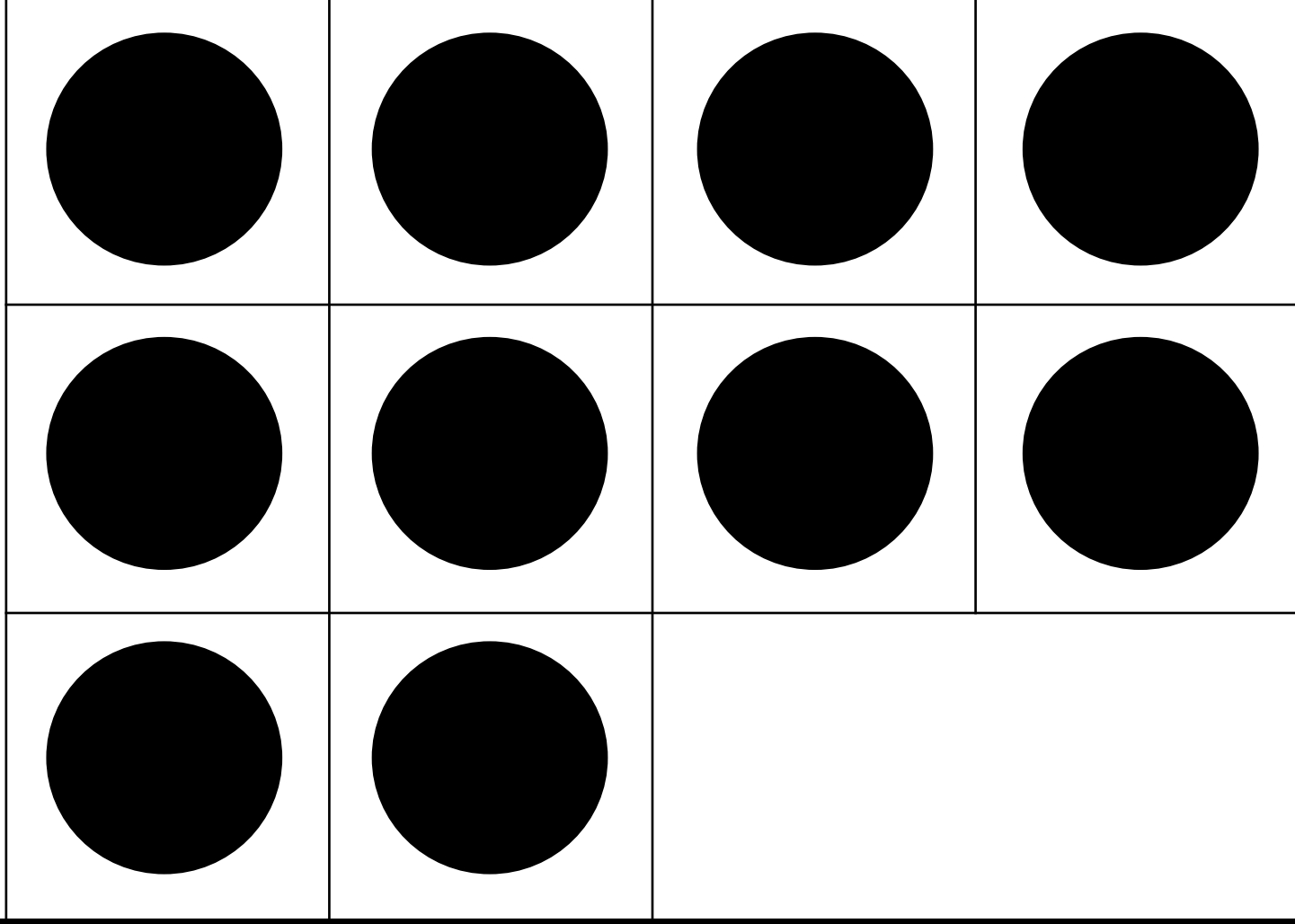


DOTS & SPOTS

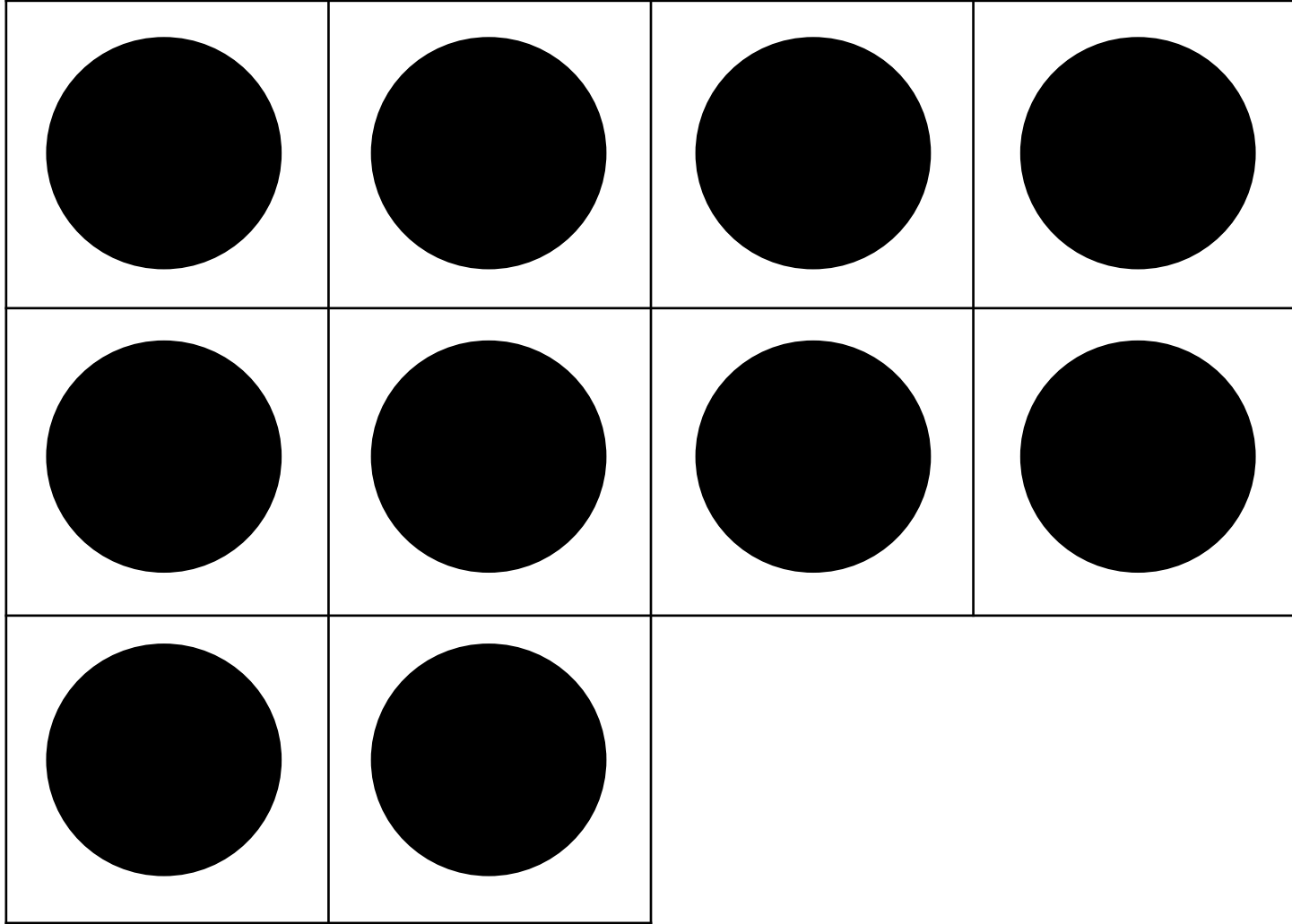
- 1) Use a pin guide to set up your pins.
- 2) Drive or program your robot to knock over the pins.
- 3) Count the total number of pins that fall over.



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS





DOTS & SPOTS

Draw the dots in your ten frame.

Write the number: _____

This number is:

ODD

EVEN

How many more to make 10?

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 10$$



DOTS & SPOTS

NAME: _____

Draw the dots in your ten frames.

1

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

2

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

3

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

4

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

5

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

6

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

7

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

8

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

9

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

10

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$



DOTS & SPOTS

Draw the dots in the double ten frames.

Write the number: _____

Is this number ODD or EVEN? _____

_____	+	_____	=	_____
first frame		second frame		TOTAL



DOTS & SPOTS

NAME: _____

Draw the dots in your ten frames.

1

+

2

+

3

+

4

+

5

+

6

+

7

+

8

+

9

+

10

+

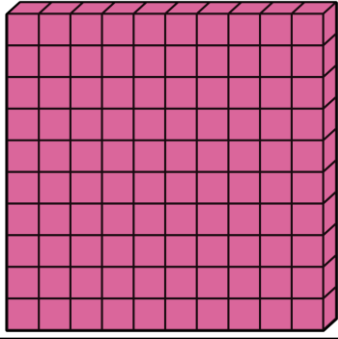


BLOCK BOWLING

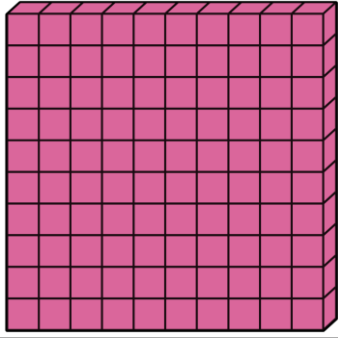
- 1) Set up your pins using a pin guide.
- 2) Drive or program your robot to knock over the pins.
- 3) Count the total number of hundreds, tens, and ones that fall over.



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS





BLOCK BOWLING

Draw the blocks that fell over.

HUNDREDS	TENS	ONES

Add up the total.

_____ + _____ + _____ = _____
hundreds tens ones total



BLOCK BOWLING

NAME: _____

Draw pictures of your hundreds, tens, and ones.
Write the values of each block and the total.

1

____ + ____ + ____ = ____

2

____ + ____ + ____ = ____

3

____ + ____ + ____ = ____

4

____ + ____ + ____ = ____

5

____ + ____ + ____ = ____

6

____ + ____ + ____ = ____

7

____ + ____ + ____ = ____

8

____ + ____ + ____ = ____

9

____ + ____ + ____ = ____

10

____ + ____ + ____ = ____

11

____ + ____ + ____ = ____

12

____ + ____ + ____ = ____



COiN CRASH

- 1) Set up your pins using a pin guide.
- 2) Drive or program your robot to knock over the pins.
- 3) Count the total amount of coins that fall over.



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS



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CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS

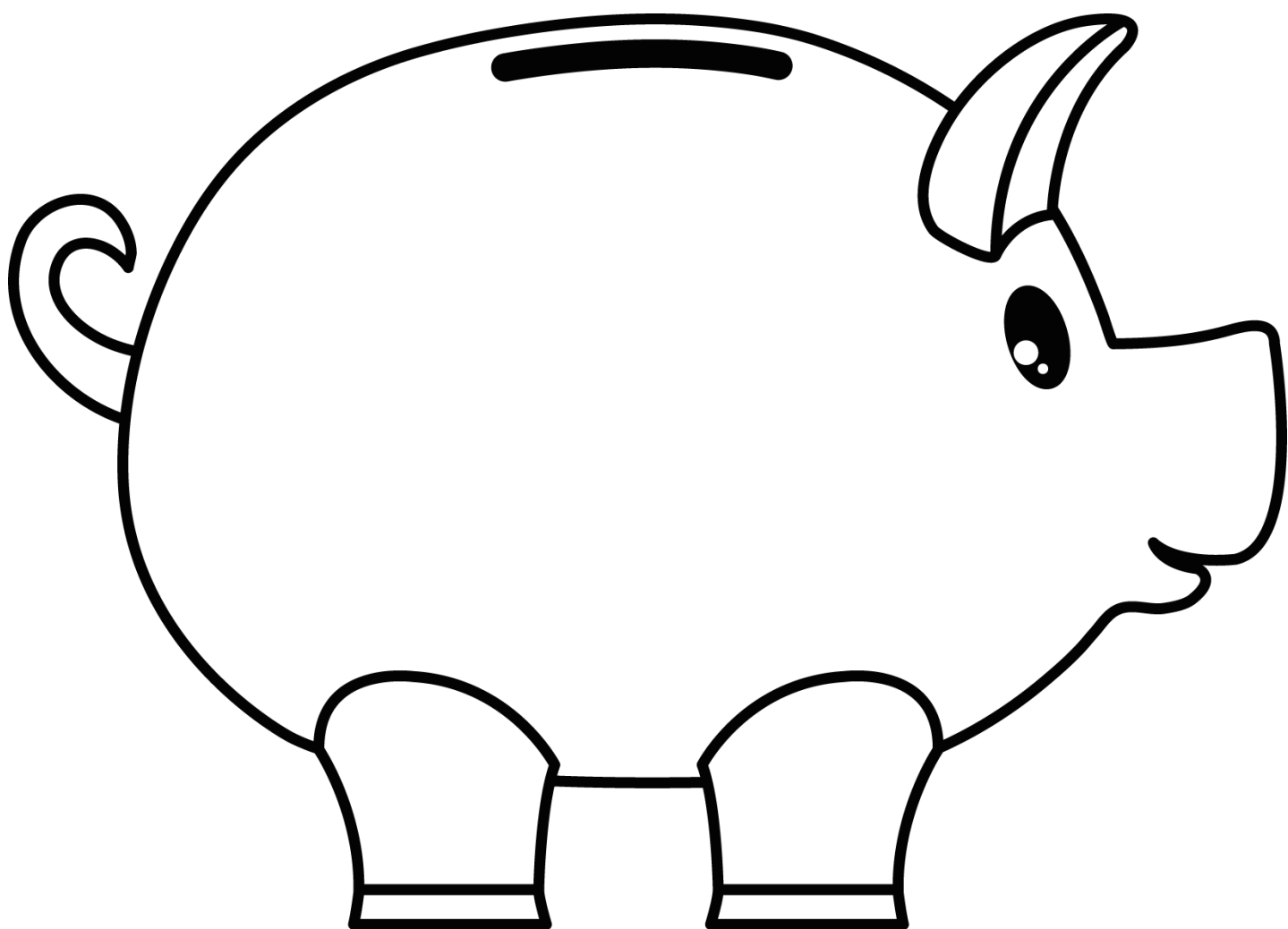
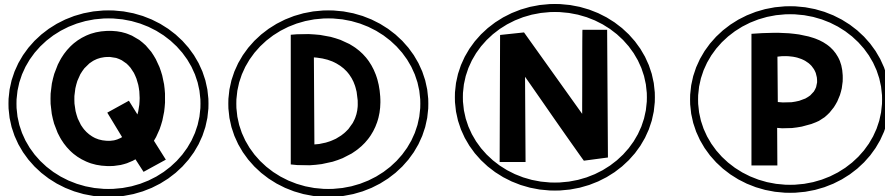


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COIN CRASH

Draw the coins that fell over.

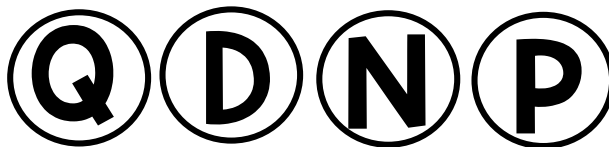




COIN CRASH

Use your coins to show each money amount.
Draw the coins and write the money amount.

NAME: _____



1 _____ ¢	2 _____ ¢	3 _____ ¢
4 _____ ¢	5 _____ ¢	6 _____ ¢
7 _____ ¢	8 _____ ¢	9 _____ ¢
10 _____ ¢	11 _____ ¢	12 _____ ¢

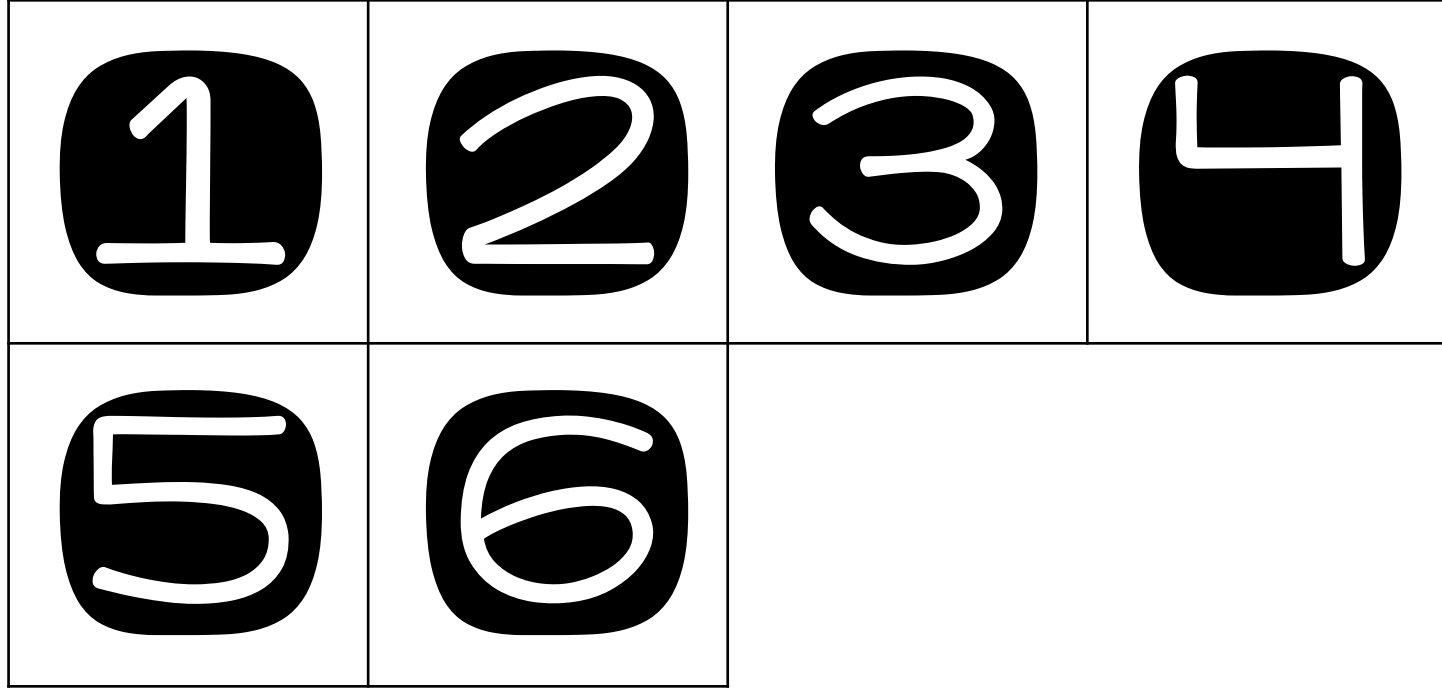


ADD it UP

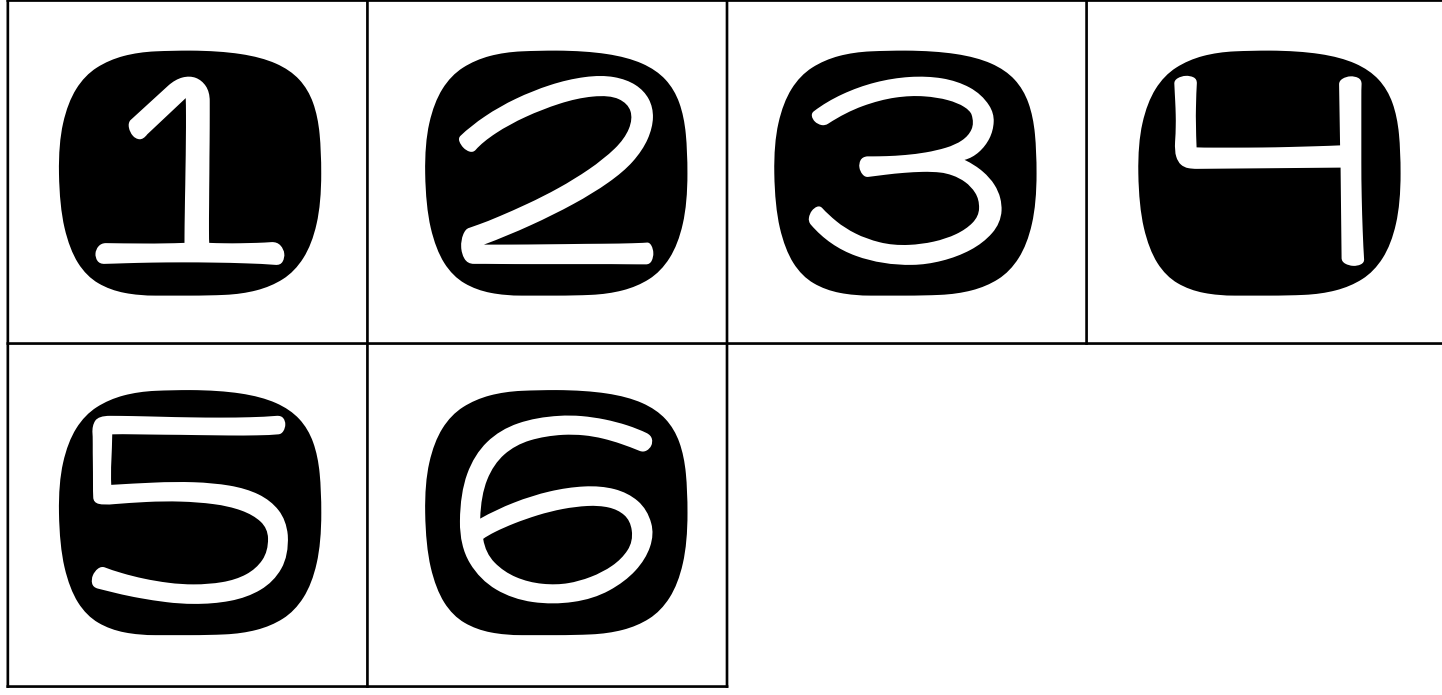
- 1) Set up 6 pins using a pin guide.
- 2) Drive or program your robot to knock over the pins.
- 3) Add up the numbers on the pins that fall over.



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS



CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS

1

2

3

4

5

6

7

8

9

10

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CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS

1

2

3

4

5

6

7

8

9

10

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CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS

10

20

30

40

50

60

70

80

90

100

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CUT AND TAPE/VELCRO TO FRONT OF BOWLING PINS

10

20

30

40

50

60

70

80

90

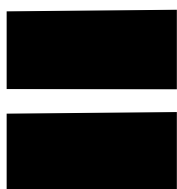
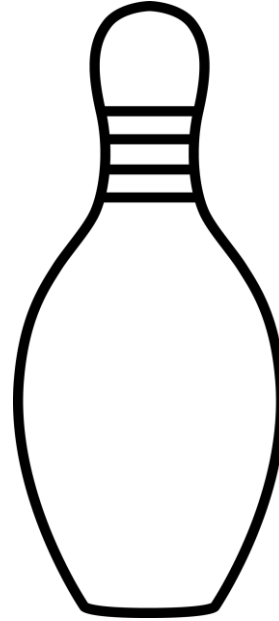
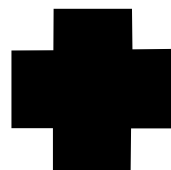
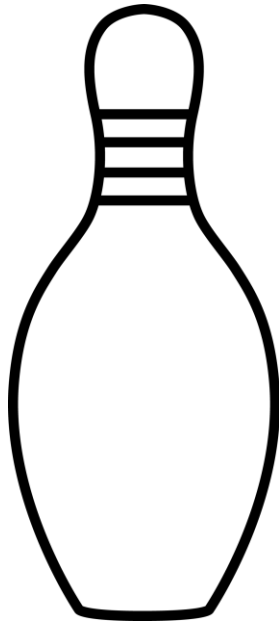
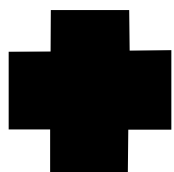
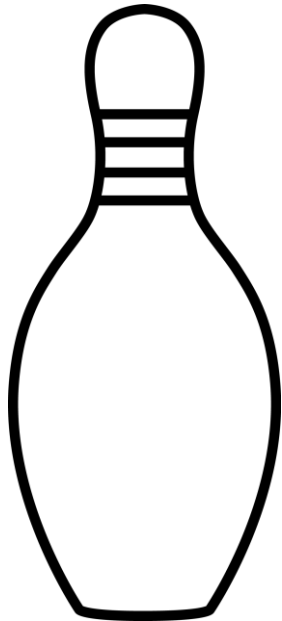
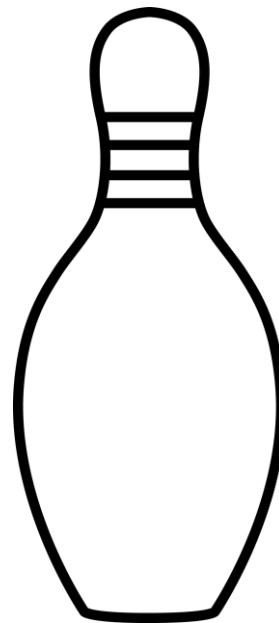
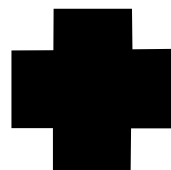
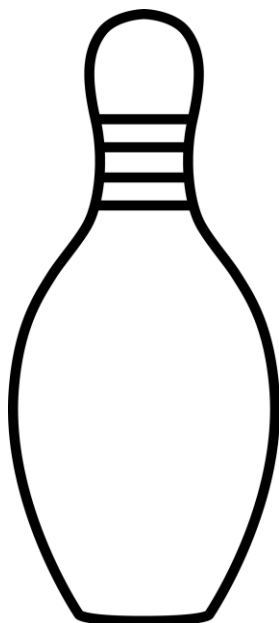
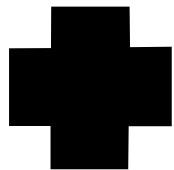
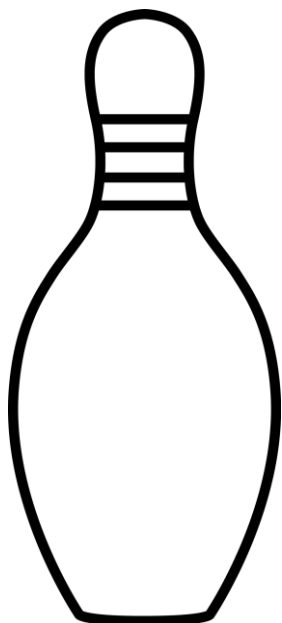
100

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ADD it UP

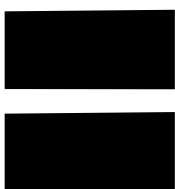
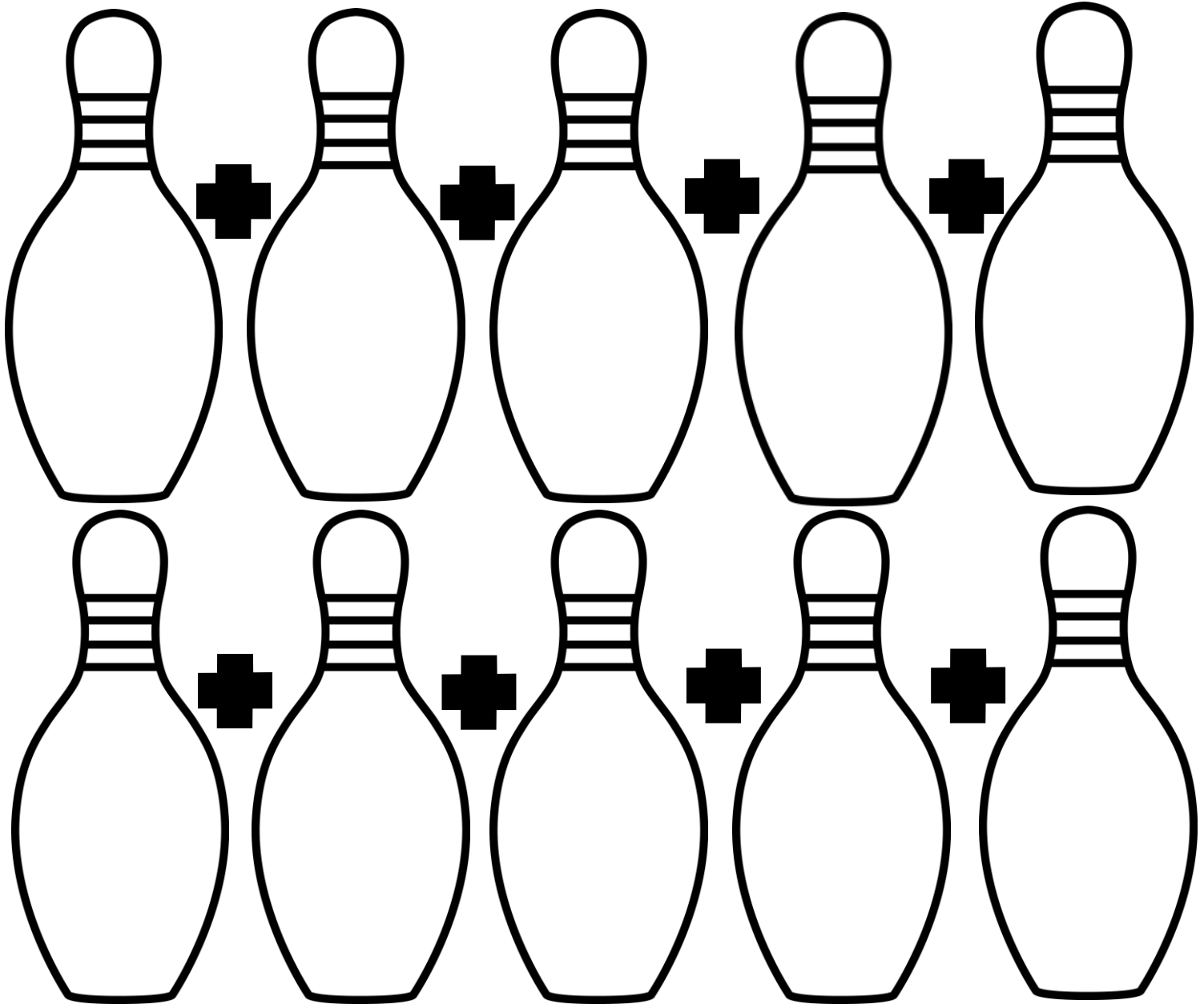
Write the numbers that fell over.





ADD it UP

Write the numbers that fell over.





ADD it UP

Write the addends for the pins that were knocked over.
Add them together and write the sum.

NAME: _____

1

2

3

4

5

6

7

8

9

10

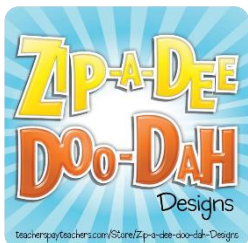
11

12

CREDITS

Thank you for
your purchase!

Created by
Brooke Brown



<http://www.teacherspayteachers.com/Store/Zip-a-dee-doo-dah-Designs>

