STEAM

SCIENCE • TECHNOLOGY • ENGINEERING • ARTS • MATHEMATICS

My Name:_____

Ready to do a little coding? WAKE UP! Stop staring into space.
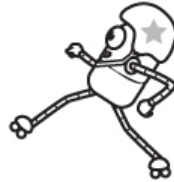
That's better. Wait! No running away. Get back here!

Color in this picture. This was painted by Andy Warhol. Andy's canvas had 4 rows and 8 columns of these cans. It is called

Campbell's Soup Cans.

How many total cans were in Andy's canvas?

The thousands place is the value of a nickel and two pennies.

Write the sum of 1 and 8 in the tens place.

The ones place is 3.

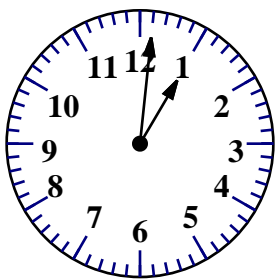The hundreds place is the missing number from this pattern:
___, 7, 12, 17, 22

Locked
Locked
Locked

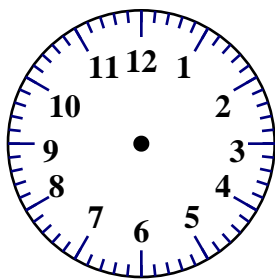**Help! Your phone is locked. Use the clues above to unlock it. Good luck!**

___ , ___ ___ ___

is the code to unlock

Double Check   The sum of the numbers in your unlock key should be 21. Is it? Show your work to double check that your unlock key is correct.

current time   2 hours later

$$4$$
$$2$$
$$+ 1$$

$$\begin{array}{r} 1\ 0 \\ +\ 1\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 0 \\ +\ 6\ 7 \\ \hline \end{array}$$

$8 + \boxed{} = 11$

Expand the number.

$415 = $ _____ + _____ + __5__

$$\begin{array}{r} 7\ 8 \\ +\ 1\ 2 \\ \hline \end{array}$$

$86 + 2 = $ _____

$10 + \boxed{} = 14$

$11 + \boxed{} = 17$ $5 + \boxed{} = 9$ $8 + \boxed{} = 18$ $4 + \boxed{} = 11$

Name: _____

Find the way from START to END by passing through EVERY number that is a
multiple of seven exactly ONCE. Cross off each box that is NOT a multiple of seven.
Yes, that means you have to go through ALL the multiple of seven boxes. Wow!
You are not allowed to go diagonally. Good luck!

START	63	21	65	63	70	78
70	28	98	70	21	91	7
35	70	49	14	28	63	91
52	2	91	35	63	84	42
88	13	9	70	35	28	21
75	97	19	35	29	60	43
25	84	70	42	77	14	47
27	14	35	91	91	56	19
86	77	63	63	49	7	91
60	7	77	69	10	89	END

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Robots

Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No stopping on an empty box.** Try to collect all the robots and end your last line on the **E** circle. You can go through a robot more than once.

B

E

Didn't get them all? That's ok. This was hard. I missed only _____ robot/robots.

Dr. Programmer knows how to program with his computer. He uses the STAR key, which is *. On a computer you have to press Shift and 8 at the same time to type that. How confusing!

5 times 2 is written 5 * 2 on his computer.

*

Dr. Programmer typed:	The computer replied:
print (10 * 10)	100
print (8 * 6)	__
print (11 + 5)	__
print (25 + 48)	
A = 4 B = 8 print (A * B)	
A = 4 print (A * 9)	

```
A = 925
B = 9
C = A - B
print (C)
```

___ ___ ___

```
A = 638
B = 9
C = A - B
print (C)
```

```
Girls = 23
Boys = 18
Diff = Girls - Boys
print ("Our class has ",Diff," more girls than boys.")
```

___ ___ ___   ___ ___ ___ ___ ___

___ ___ ___   ___   ___ o r ___

___ i ___ ___ ___   ___ ___ a ___

___ ___ ___ ___ ___

```
N1 = 3
N2 = 7
N3 = N1 * N2
N4 = N3 + 2
print ("N4 = ",N4)
```

___ ___   ___   ___ ___

```
N1 = 4
N2 = 8
N3 = N1 * N2
N4 = N3 + 2
print ("N4 = ",N4)
```

Now that Dr. Programmer knows how to multiply, add, and subtract, it's time for some division.

10 divided by 2 is written 10 / 2 on his computer.

/

Dr. Programmer typed: The computer replied:

print (42 / 7)	<u>6</u>
print (9 * 8)	_ _
print (18 / 6)	_
print (20 + 22)	
print (72 / 4)	

N1 = 40
N2 = 8
HowMany = N1 / N2
print("Total is ",HowMany)

_ _ _ _ _ _ _ _

N1 = 76
N2 = 19
HowMany = N1 / N2
print("Total is ",HowMany)

Build your dream bedroom!

Draw then label the items you choose for your room.

twin sized bed - 3x6	closet -3x3	art table - 2x12	arcade game - 2x4
full sized bed - 4x6	closet - 3x6	cube shelf - 1x4	pinball machine - 2x5
water bed - 5x7	closet - 4x12	cube shelf - 1x8	couch - 3x6
king sized bed - 6x7	closet - 5x21	cube shelf - 1x21	couch 3x8
bean bag chair - 3x3	dresser - 2x4	pool - 12x18	couch 3x10
swing - 1x3	dresser - 2x8	pool table - 4x7	slide - 2x8
recliner - 3x6	nightstand - 2x2	aquarium - 1x4	slide - 2x15
hot tub - 8x8	desk - 2x6	aquarium - 1x10	trampoline - 10x10
indoor garden - 4x6	hamster cage - 2x3	dog/cat bed - 2x3	Any other ideas?

1 square = 1 foot

☆ ☆ ☆

Don't forget to color your room!

door

window

window

window

window
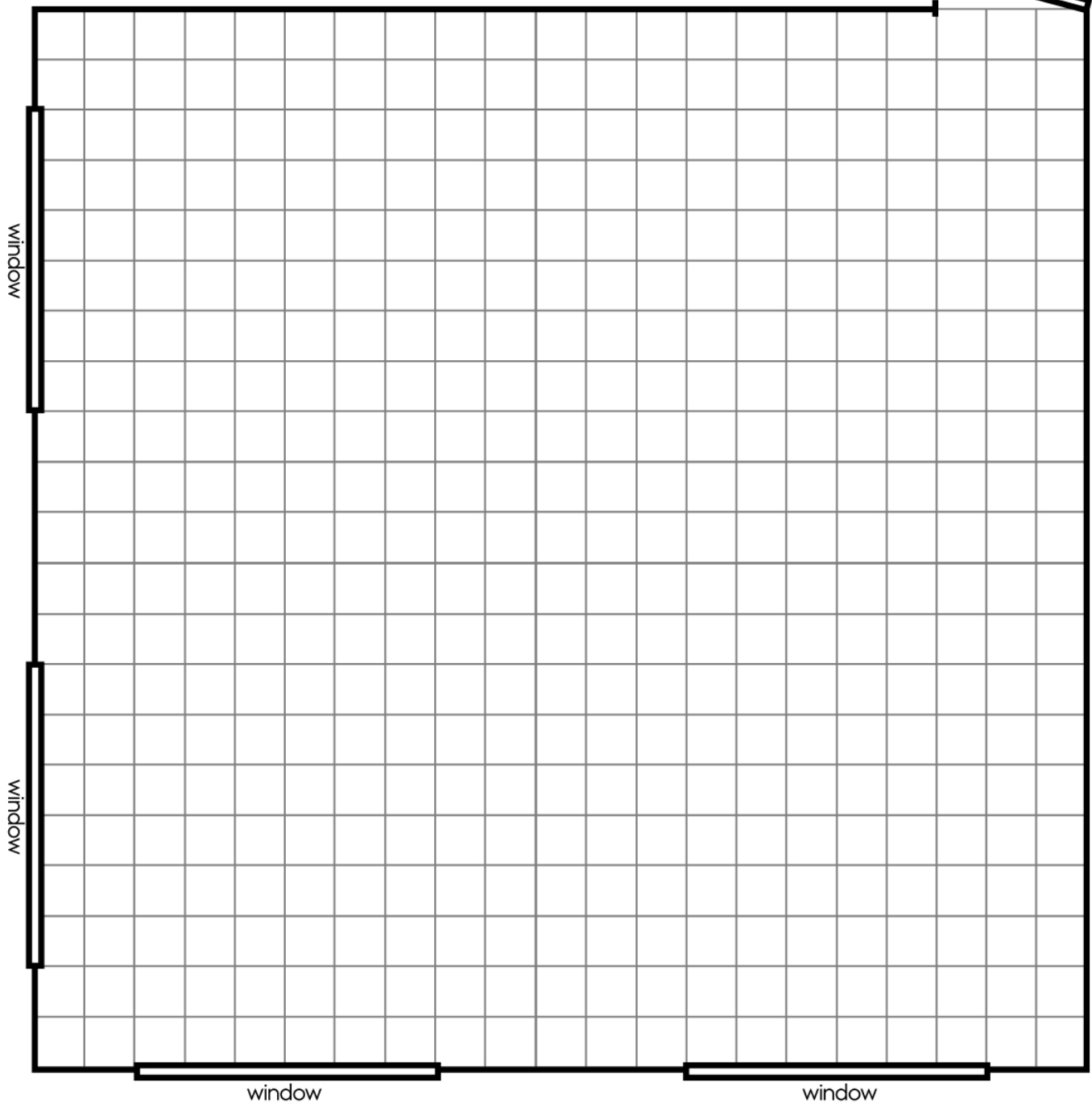
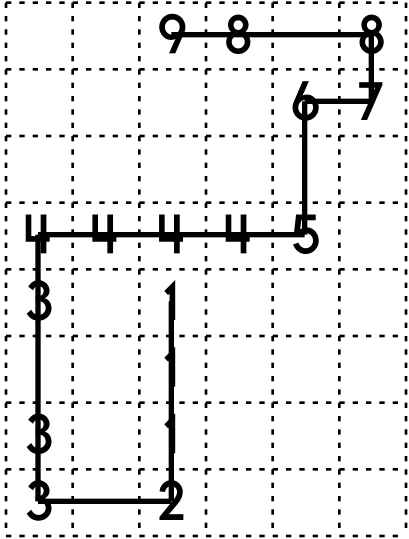Can you draw lines to cover every number or shape in the picture?

You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.
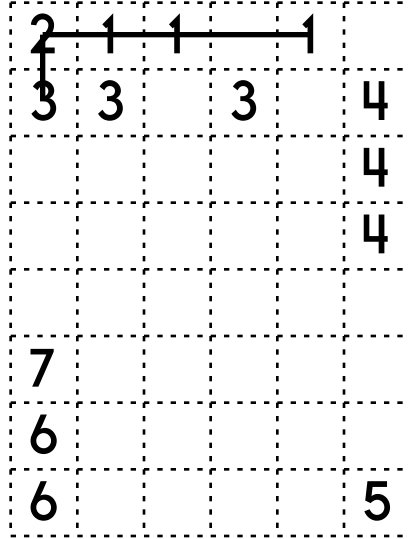
Draw exactly 8 lines.
Start on 1.
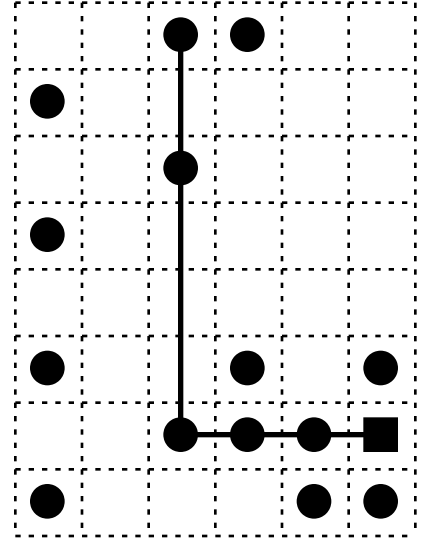Do not pick up your pencil.

Draw exactly 6 lines.
Start on 1.
Do not pick up your pencil.

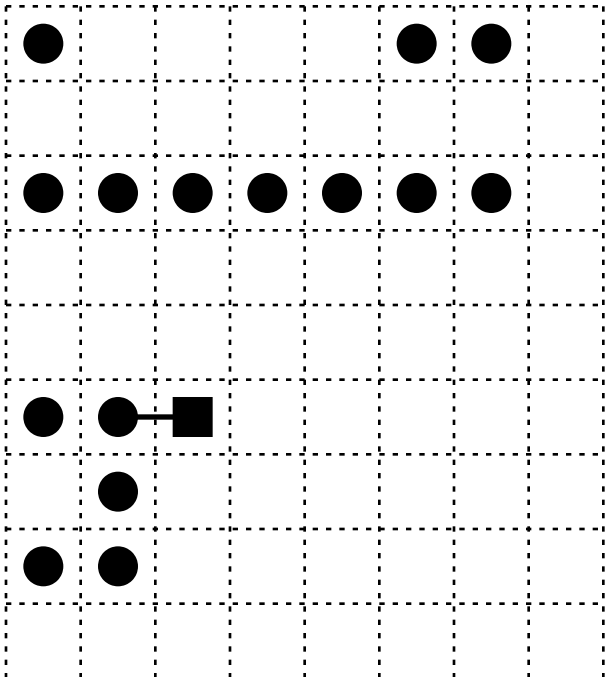Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.
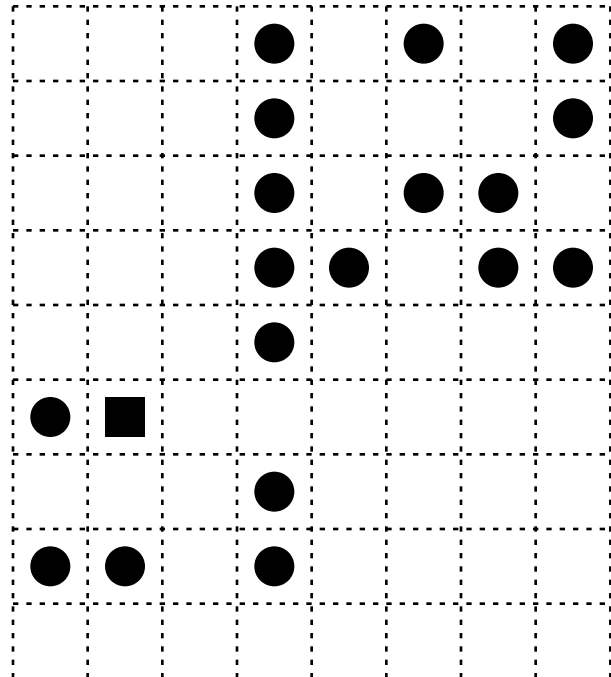
Draw exactly 7 lines.
Start on the square.
Do not pick up your pencil.

Draw exactly 9 lines.
Start on the square.
Do not pick up your pencil.

Name: _____

How many times
do you need to spin?

I needed to spin ____
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

6 + 5 + 1 = _____

7 - 3 - 2 + 4 = _____

4 - 2 + 1 = _____

9 + (6 - 5) = _____

9 - 2 + 9 - 3 = _____

5 + 8 - 2 - 3 = _____

3 + 8 + 2 - 8 = _____

8 + 5 + 1 + 5 = _____

1 + 3 - 3 = _____

4 - 2 + 6 + 9 = _____

(2 + 9) + 7 = _____

6 + 3 + 2 - 7 = _____

2 + 4 + 3 = _____

4 + (3 + 7) - 3 = _____

8 + 5 + 2 - 1 = _____

(1 + 2 - 2) + 6 = _____

9 + (8 + 4) + 1 = _____

1 + 2 - 1 = _____

(7 + 6) + 2 + 6 = _____

(6 - 2) + 6 + 5 = _____

4 + 6 + 8 + 5 = _____

8 + 9 + 8 = _____

5 - 4 + 6 + 9 = _____

4 + 2 + 3 - 9 = _____

5 + 9 - 1 + 7 = _____

8 + 7 + 8 + 9 = _____

3 + 9 + 5 + 7 = _____

☐ I did page 10

How many times
do you need to spin?

I needed to spin _____
time(s) to finish the page.

Spin fidget spinner. Quick! Do as many as you can before it stops.

1 + 7 + 9 = _____	1 x 2 + 1 + 7 = _____	(9 + 7) + 3 = _____
7 + 2 + 40 ÷ 10 = _____	4 x (4 x 7) = _____	2 + 5 - 2 = _____
9 - 6 + 110 ÷ 10 = _____	8 x 9 x 1 = _____	6 - 3 - 1 x 2 = _____
1 + 30 ÷ 10 = _____	(8 x 1) - 2 = _____	6 + 24 ÷ 4 x 9 = _____
6 x (4 - 2) = _____	6 + (5 x 7) = _____	3 x 4 x 2 = _____
9 - 3 + 18 ÷ 9 = _____	(6 x 9) + 9 x 7 = _____	7 - 6 + 3 x 7 = _____
4 + 5 x 5 = _____	2 x 1 x 5 x 5 = _____	6 x 5 x 6 = _____
4 x 4 - 5 = _____	8 + 7 + 110 ÷ 11 = _____	(6 x 1) x 8 x 9 = _____
6 - 1 x 6 = _____	3 + 9 + 9 = _____	7 x 3 - 6 = _____