Name: _____

Complete each pattern.

3, K, 1, 1, d, d, 3, K, 1, 1, d, ___, ___, K, 1

c, 9, 9, 3, 3, X, c, 9, ___, 3, 3, X, c, 9, 9, 3

Complete each pattern. Write what the rule is.

$29\frac{9}{20}$, $29\frac{1}{4}$, _____, _____, $25\frac{11}{20}$, $25\frac{7}{20}$, $23\frac{3}{5}$,

$23\frac{2}{5}$, $21\frac{13}{20}$, $21\frac{9}{20}$, $19\frac{7}{10}$, $19\frac{1}{2}$, $17\frac{3}{4}$

$32\frac{1}{4}$, $30\frac{1}{2}$, $30\frac{3}{10}$, $28\frac{11}{20}$, _____, _____,

$26\frac{2}{5}$, $24\frac{13}{20}$, $24\frac{9}{20}$, _____, _____, $20\frac{3}{4}$

Name: _____

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

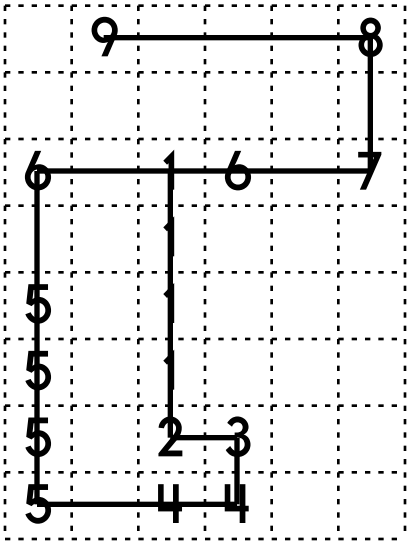
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.

Draw exactly 8 lines.

Start on 1.

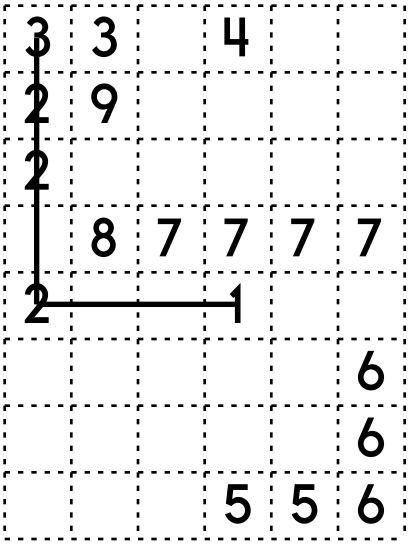
Do not pick up your pencil.



Draw exactly 8 lines.

Start on 1.

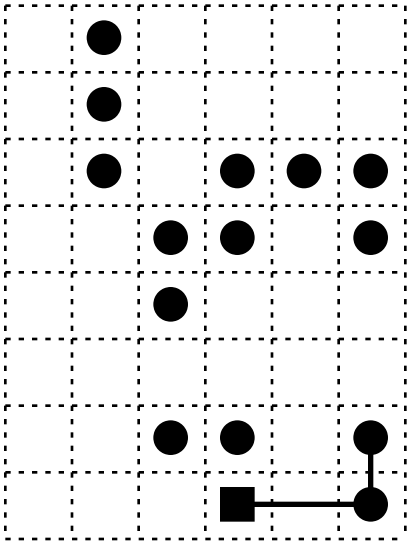
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

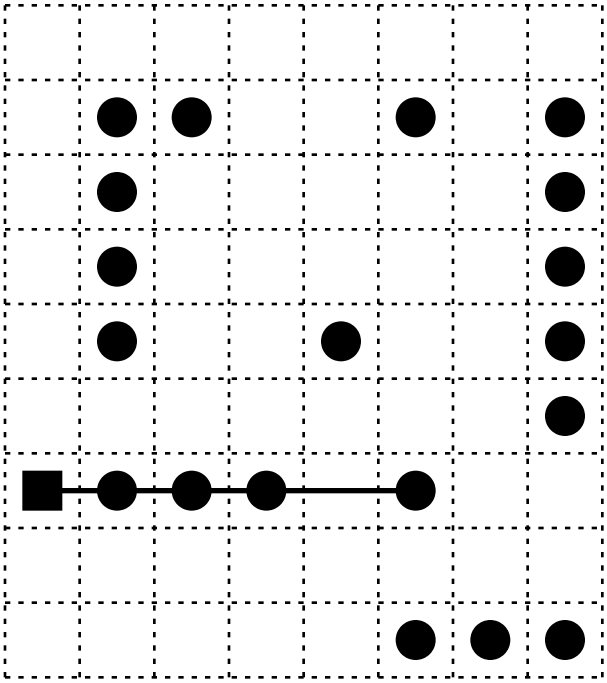
Do not pick up your pencil.



Draw exactly 7 lines.

Start on the square.

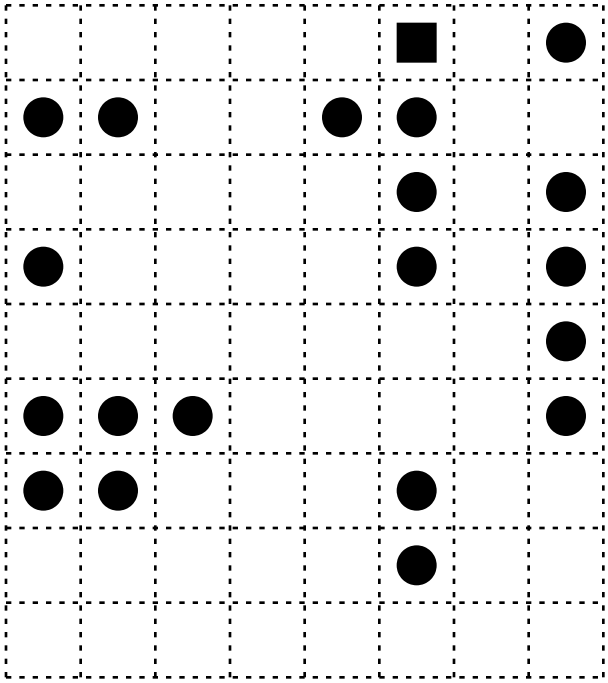
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

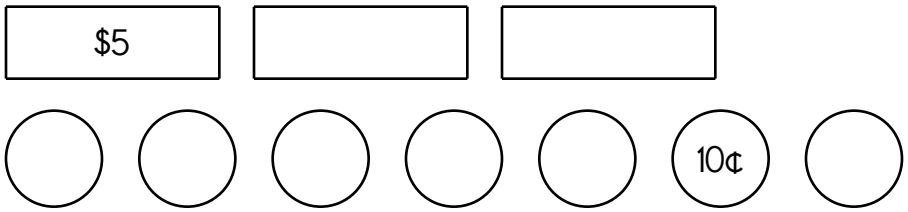
Do not pick up your pencil.



Name: _____

Make change. You can use $20, $10, $5, $1, 25¢, 10¢, 5¢, or 1¢.

Alex has $30.12. He has 3 bills and 7 coins. How?



Maria has $48.13. She has 8 bills and 10 coins. How?

Sarah has $35.17. She has 3 bills and 13 coins. How?

Lucas has $30.07. He has 2 bills and 3 coins. How?

word root **cess** can mean **go or yield** **accessible, procession, secession**

Name: _____

Justin decided to write a letter to his favorite uncle on Blah Buster Day. He wrote the letter on his computer and printed it on bright blue paper. It took him 31 minutes to write the letter. If he started writing it at 10:25 a.m., what time did he finish the letter?

Jacob is attending the World Eskimo-Indian Olympics. He can go to either the Blanket Toss or the Greased Pole Walk. He can choose either the qualifying rounds, the semifinals, or the finals of the events. He can buy only one ticket. How many choices does he have?

Amy took a picture of her father's office building. He worked in a 50-story skyscraper. When she got the picture, she saw that she had only taken a picture of the highest 19 stories. Write a fraction for the part of the building that was in the picture.

2 x 7 = _____

$$\begin{array}{r} 80 \\ -\ 52 \\ \hline \end{array}$$

You are given five cards. One card has the number 1 on it, another card has a 2, another card has a 3, another card has a 4, and the last card has the number 5 on it. Use two cards to make a fraction. What is the smallest fraction that you can make?

$$\begin{array}{r} 653 \\ -\ 251 \\ \hline \end{array}$$

April rolls a die. What is the chance of her rolling a 2?

_____

18 cm = _____ mm

$$\begin{array}{r} 32 \\ +\ 20 \\ \hline \end{array}$$

word root **manu** can mean **hand** **manual, manuscript**

Name: _____

Write the numbers 40 to 70 on a sheet of paper.
How many of these numbers are divisible by 5?

_____

108 ÷ 9 = _____

Can 595 be evenly divided by 7? Circle:
595 is evenly divisible by 7
595 is NOT evenly divisible by 7

5,271 - 2,957 = _____

12 x 6 =

$$\begin{array}{r} 259 \\ +\ 441 \\ \hline \end{array}$$

34% of 100 is 34.
34% of 200 is 68.
34% of 500 is 170.

What is 34% of 700?

28 ÷ 7 = _____

12 ÷ 2 = _____

7 x 8 = _____

1 km = 1,000 m

25 km = _____ m

For 8,115,486,411, write the digit that is in the ten thousands place.

_____

96 ÷ 12 = _____

Sarah makes a basket for every three attempts that she makes. Sara needs four attempts to make a basket. Each basket is worth 2 points. If they each make 24 attempts, then what is the score?

word root **act** can mean **drive or do** **actor, action**

Name: _____

How many yards are in 18 feet?

_____ yards

97,373 - 68,922 = _____

Circle the smallest number:

61,987,279
50,432
3,519,428
8,460

Fill in the missing operations to complete this equation:

32 ____ 8 ____ 53 = 57

Write an equation to represent this:

The product of eight and nine is seventy-two.

_____

94,371 - 16,862 = _____

48 ÷ 8 = _____

Here is a pattern of letters:

A D R P P A D R P P A . . .

What letter will be the 27th term in the pattern?

66 ÷ 11 =

2 x 5 = _____

Robert took three numbers greater than 1 and multiplied them. One number was six and the other number was twelve. Of course, he forgot the last number, but he remembered the product was 193. Is this possible?

Can 424 be evenly divided by 3? Circle:

424 is evenly divisible by 3

424 is NOT evenly divisible by 3

Name: _____

÷ • 9 • x • 3 • = • 0 • 9 • 4 • 7 • 4 • 9 • 4 • 6 • 7 • x • 0 • = • 0 • 3

Use the pieces above to help you fill in the runaway math puzzle.

		1										
		0										
5	4			=	6							
		5									9	
2											x	8
=		2										=
1												
	x	2	=	0								
		x					8	x	3	=	2	
		8		7	x		=	6	3		3	
		=			8				=		6	
		1	x	4	=				2			
					5							
			x	6	=	1	8					

3 x 8 = _____

63 ÷ 7 = _____

What time is 16 hours after 1:00 a.m.?

_____

27 ÷ 9 = _____

In the number 919,796, the digit 7 is in what place?

_____

24 ÷ 3 = _____

Name: _____

There are five objects (a white object, a navy object, a violet object, a red object, and a pink object). Each object has a different mass (41 g, 69 g, 50 g, 37 g, and 8 g) and a different volume (100 cubic cm, 14 cubic cm, 49 cubic cm, 7 cubic cm, and 51 cubic cm).
Density = Mass / Volume
Figure out the mass, volume, and density of each object.

1. The red object has a greater mass than the pink object.
2. The volume of the white object is not 51 cubic cm.
3. The density of water is 1.0 grams per cubic cm. If the white object was placed in water, it would float.
4. The density of aluminum is 2.7 grams per cubic cm. The pink object is more dense than aluminum.
5. The white object has a greater mass than the violet object.
6. The density of water is 1.0 grams per cubic cm. If the violet object was placed in water, it would sink.
7. The violet object has a mass of 8 g and a volume of 7 cubic cm.
8. One object has a volume of 51 cubic cm and a density of 1.353 grams per cubic cm.
9. One object has a volume of 100 cubic cm and a density of 0.5 grams per cubic cm.
10. The volume of the pink object is not 51 cubic cm and it is also not 100 cubic cm.
11. The navy object has a volume of 49 cubic cm and a mass of 37 g.

white object has a mass of _____, a volume of _____, and a density of _____.

navy object has a mass of _____, a volume of _____, and a density of _____.

violet object has a mass of _____, a volume of _____, and a density of _____.

red object has a mass of _____, a volume of _____, and a density of _____.

pink object has a mass of _____, a volume of _____, and a density of _____.

Name: _____

Rosa is less than 15 years old. She is 7 years younger than Hunter. In 14 years, Rosa will be $\frac{3}{4}$ years as old as Hunter. How old is Hunter?

When the square root of one number is added to the square root of another number, the sum is 73. The difference between the original numbers before being squared is 5. What are the numbers?

Name: _____

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

START	653	90	738	786	803	916	704	214	181
942	414	12	617	312	549	649	429	10	818
582	516	984	372	564	528	54	48	588	523
108	426	222	690	696	418	44	798	762	109
336	624	252	624	822	985	620	66	606	444
870	498	396	288	972	660	978	744	36	720
144	894	810	348	966	774	150	949	696	900
480	690	166	420	846	852	780	870	90	558
162	864	306	276	596	243	260	186	83	894
102	438	768	630	228	456	210	48	963	END

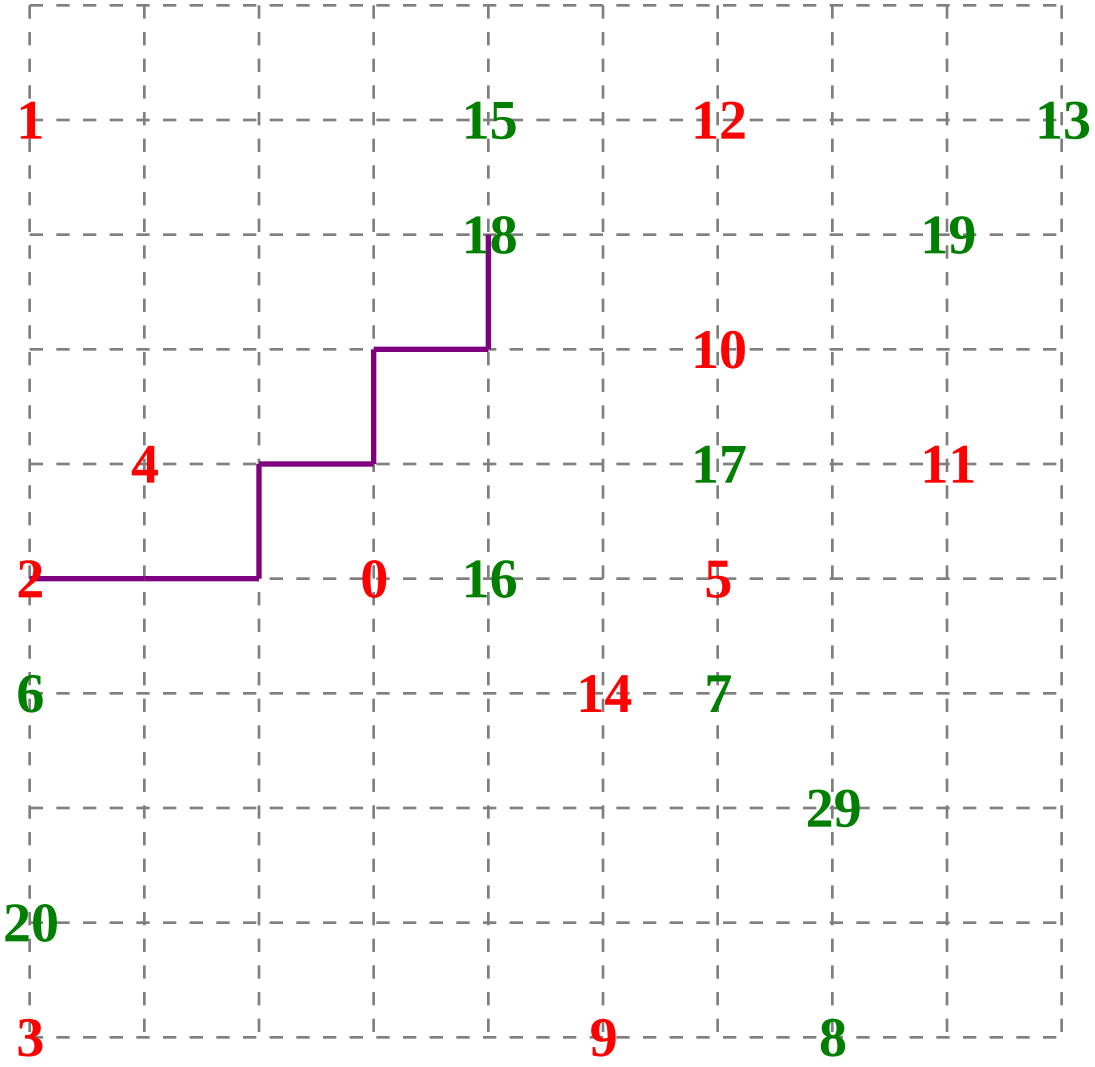
Name _____ Date _____

Greater and Less Than Number Kissing

Start at a green number and draw a line to any red number that is less than the green number.

Draw a line that connects one number to one other number to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a number, that number cannot be used again.

One complete line has already been drawn for you.



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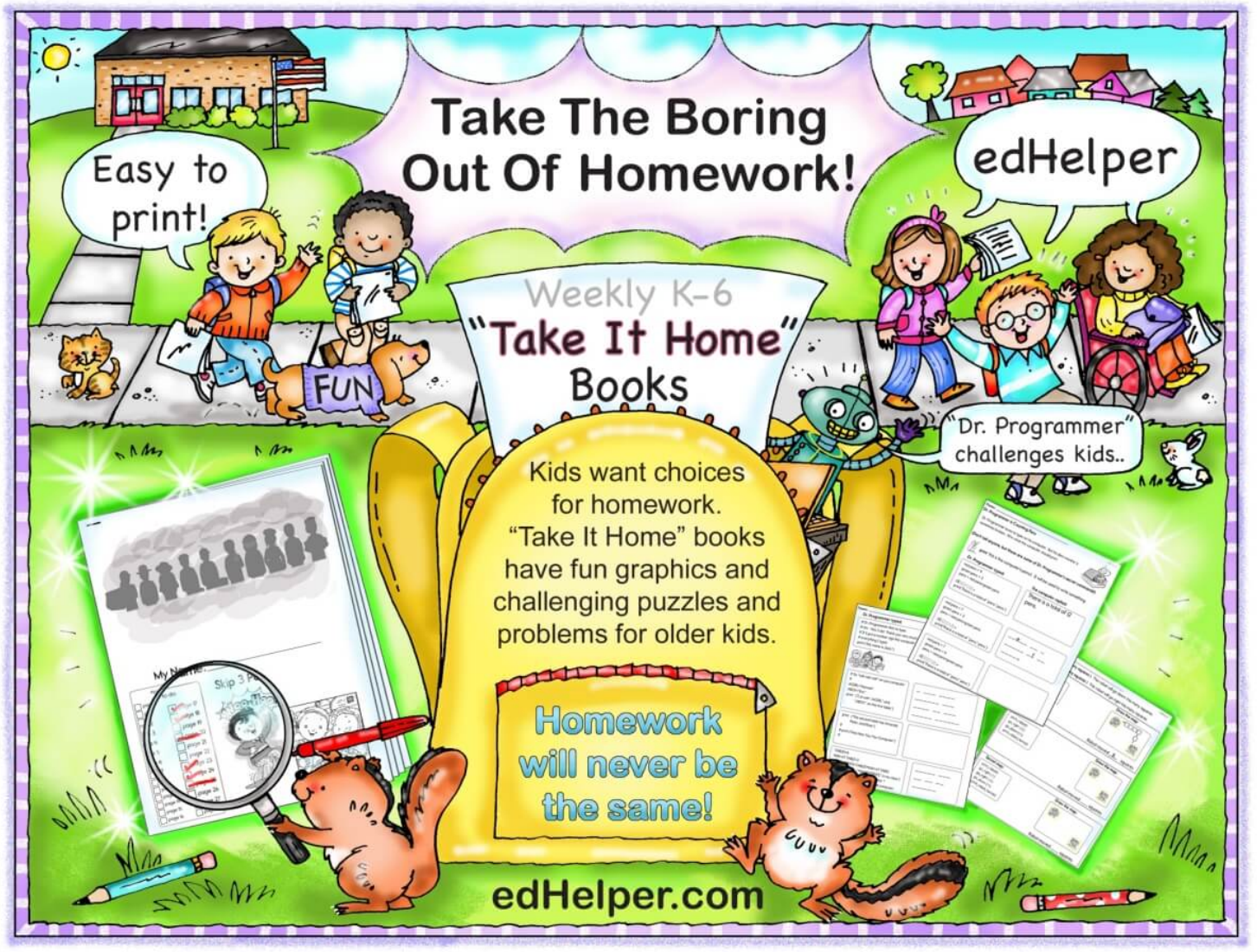
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