

Name: _____

Perhaps someday someone will make a flight from the Earth (92,900,000 miles from the sun) to Pluto (3,664,000,000 miles from the sun). About how far is it from the Earth to Pluto? Round off your answer to the nearest 100,000 miles.

Holly was in the doghouse. She forgot to water her mother's flowers. Now they are all dead. Holly bought 5 plants for her mother. The plants cost \$7.88. Holly gave the clerk \$10. How much change did she get?

Mr. Young helped about 30 people per day register to vote. About how many people did he help register in 14 days?

Name: _____



$77 - 64 =$

$51 - 33 =$

$80 - 19 =$

$78 - 66 =$

$95 - 12 =$

$98 - 56 =$

$17 - 13 =$

$71 - 62 =$

$55 - 47 =$

$95 - 90 =$

$58 - 52 =$

$22 - 15 =$

$$\begin{array}{r} 216 \\ + 342 \\ \hline \end{array}$$

$$\begin{array}{r} 270 \\ + 941 \\ \hline \end{array}$$

$$\begin{array}{r} 648 \\ + 890 \\ \hline \end{array}$$

$$\begin{array}{r} 798 \\ - 142 \\ \hline \end{array}$$

$$\begin{array}{r} 507 \\ + 297 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 36 \\ \hline \end{array}$$

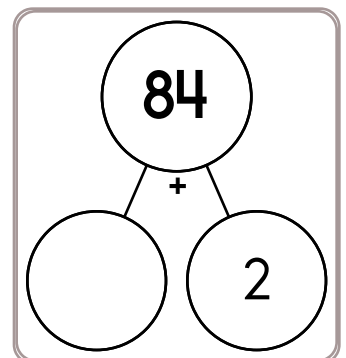
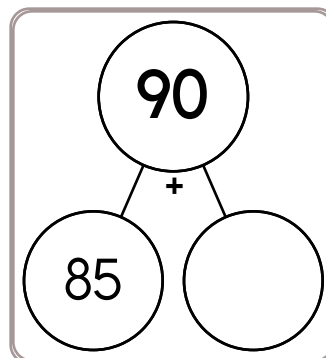
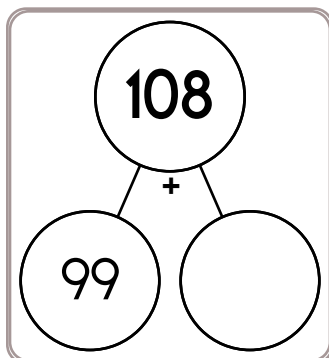
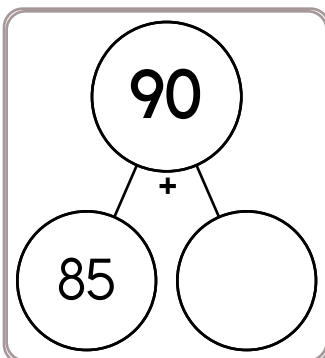
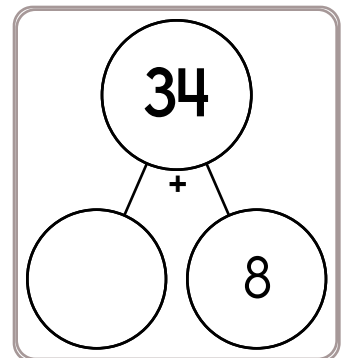
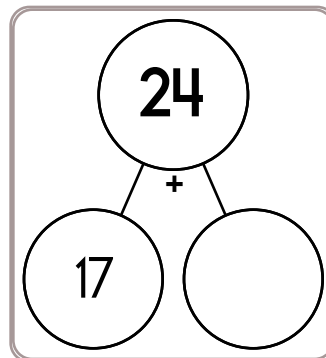
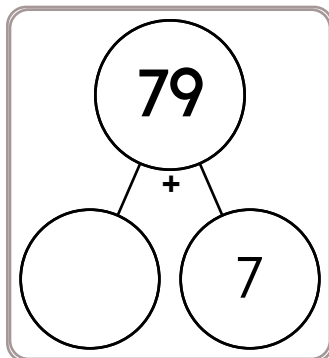
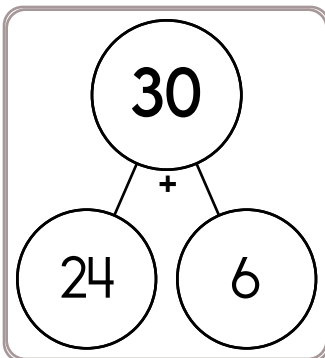
$$\begin{array}{r} 73 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 86 \\ \hline \end{array}$$



Name: _____

$$\begin{array}{r} 883 \\ + 643 \\ \hline \end{array}$$

$$\begin{array}{r} 291 \\ + 345 \\ \hline \end{array}$$

$$\begin{array}{r} 406 \\ + 338 \\ \hline \end{array}$$

$$\begin{array}{r} 256 \\ + 736 \\ \hline \end{array}$$

$$\begin{array}{r} 579 \\ + 615 \\ \hline \end{array}$$

$$\begin{array}{r} \square\square\square \\ + 593 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 154 \\ + \square9\square \\ \hline 9\square8 \end{array}$$

$$\begin{array}{r} 70\square \\ + \square92 \\ \hline 1\square9 \end{array}$$

$$\begin{array}{r} 4\square0 \\ + 48\square \\ \hline \square99 \end{array}$$

$$\begin{array}{r} 8\square4 \\ + \square02 \\ \hline 17\square \end{array}$$

$$\begin{array}{r} 357 \\ + 702 \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 177 \\ \hline \end{array}$$

$$\begin{array}{r} 829 \\ + 175 \\ \hline \end{array}$$

$$\begin{array}{r} 847 \\ + 234 \\ \hline \end{array}$$

$$\begin{array}{r} 720 \\ + 325 \\ \hline \end{array}$$

$$\begin{array}{r} \square1\square \\ + 374 \\ \hline 4\square1 \end{array}$$

$$\begin{array}{r} 14\square \\ + \square\square\square \\ \hline 857 \end{array}$$

$$\begin{array}{r} 51\square \\ + 644 \\ \hline \square\square5 \end{array}$$

$$\begin{array}{r} \square70 \\ + 9\square6 \\ \hline 13\square \end{array}$$

$$\begin{array}{r} \square3\square \\ + 872 \\ \hline 1\square\square \end{array}$$

$$\begin{array}{r} 972 \\ + 364 \\ \hline \end{array}$$

$$\begin{array}{r} 164 \\ + 275 \\ \hline \end{array}$$

$$\begin{array}{r} 302 \\ + 494 \\ \hline \end{array}$$

$$\begin{array}{r} 767 \\ + 850 \\ \hline \end{array}$$

$$\begin{array}{r} 162 \\ + 548 \\ \hline \end{array}$$

$$\begin{array}{r} \square6\square \\ + 1\square3 \\ \hline 799 \end{array}$$

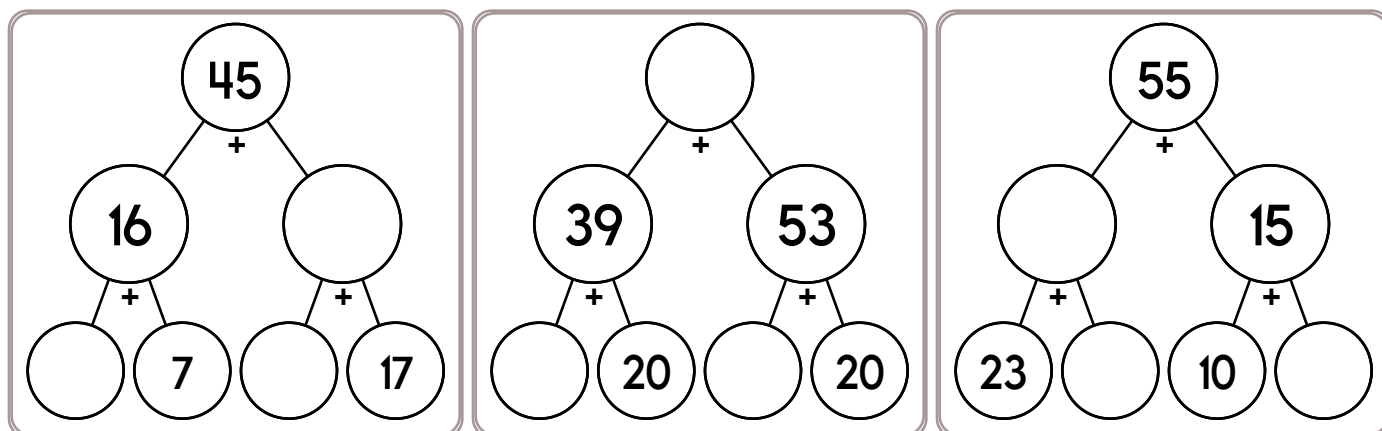
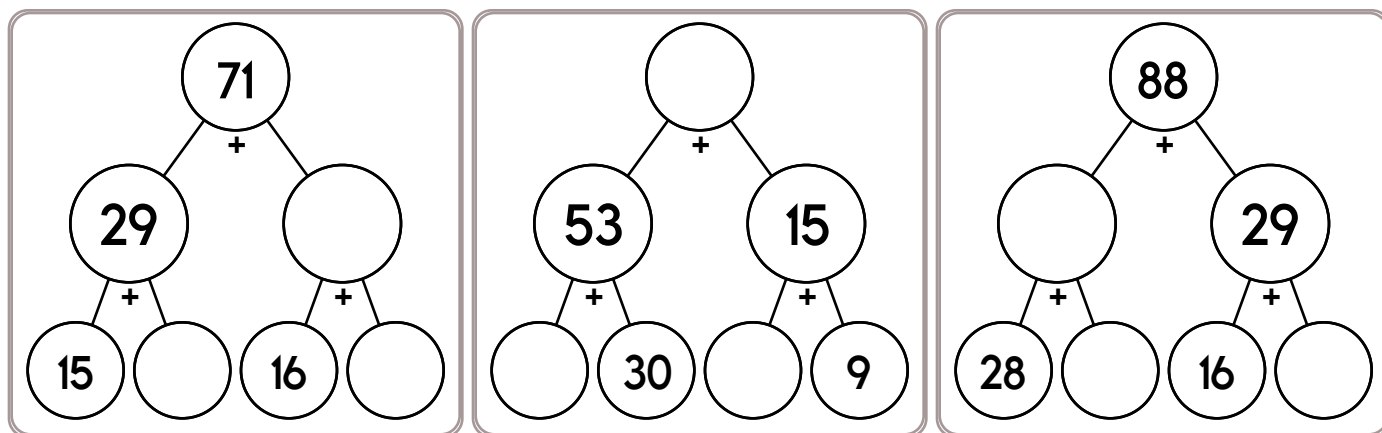
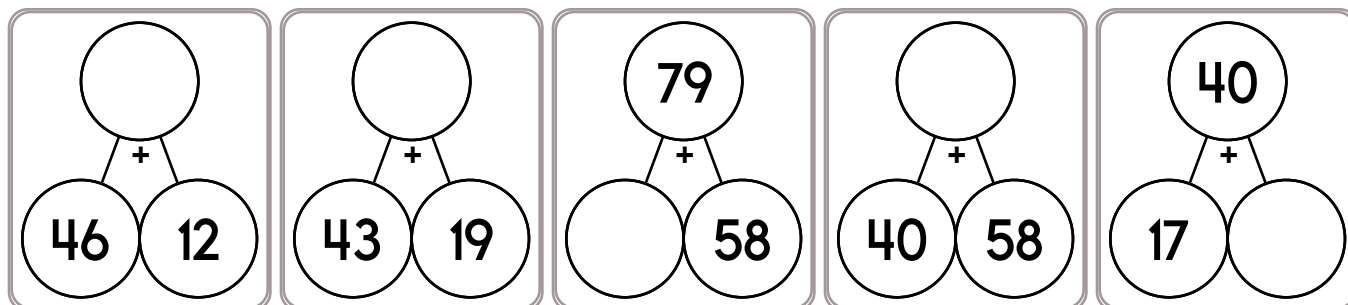
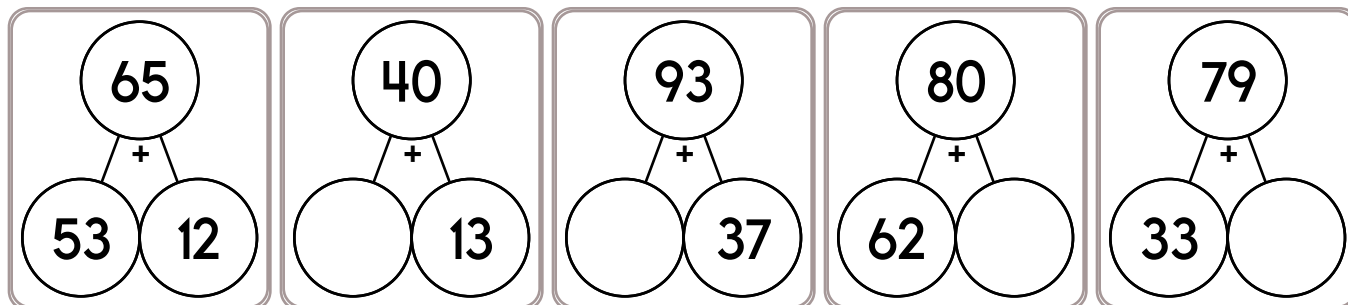
$$\begin{array}{r} \square6\square \\ + 4\square9 \\ \hline 101 \end{array}$$

$$\begin{array}{r} \square82 \\ + 3\square\square \\ \hline 11\square \end{array}$$

$$\begin{array}{r} 5\square5 \\ + \square17 \\ \hline \square1\square \end{array}$$

$$\begin{array}{r} 71\square \\ + \square\square\square \\ \hline 164 \end{array}$$

Name: _____



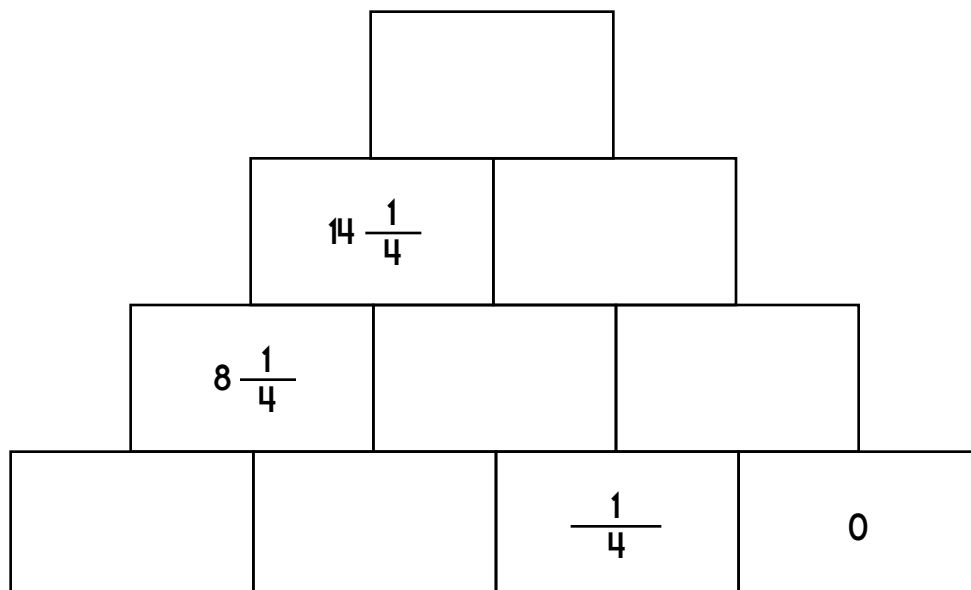
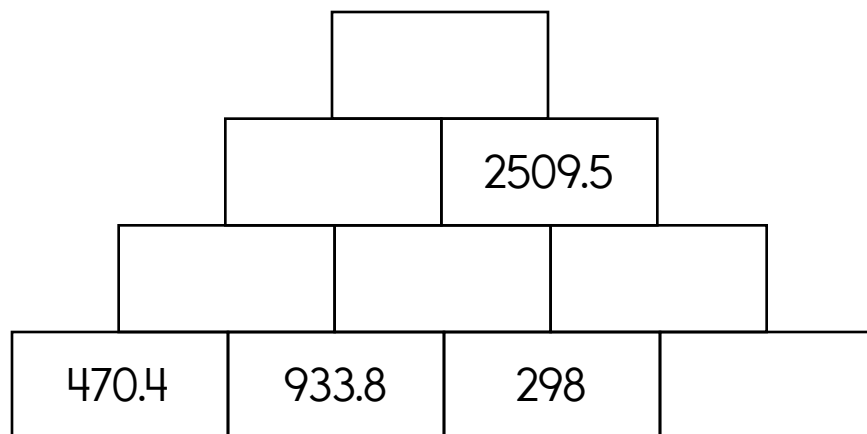
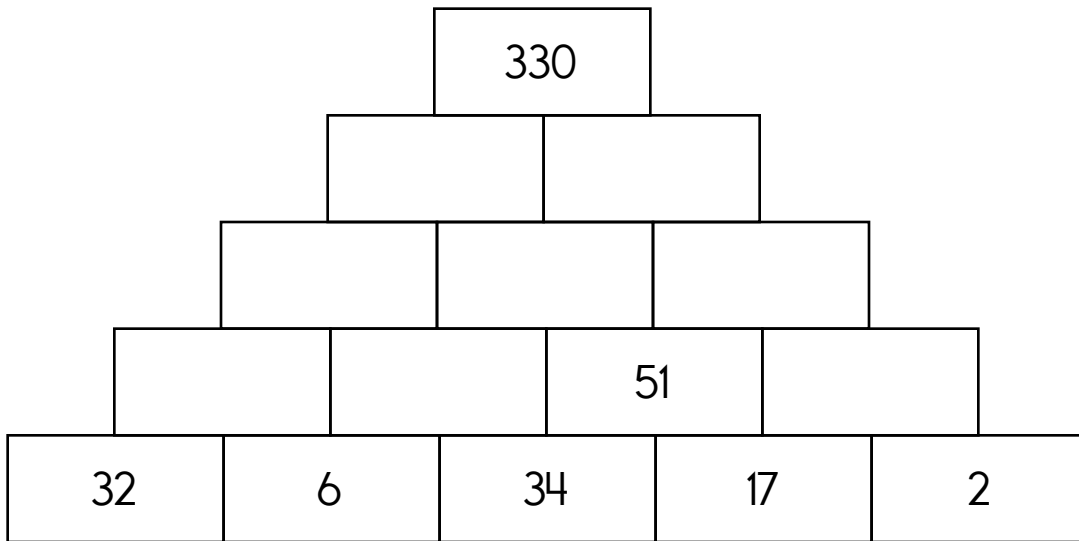
How much greater is 170 than 45?

4, 8, 12, _____, 20, 24

Maria has 29 nickels. How much money is that?

Name: _____

The block above is the sum of the two blocks below. Fill in the missing blocks.



Name: _____

Ms. Taylor asked the students in her class to read a book of legends about animals that procrastinated. There are one hundred nineteen pages in the book. Emily decided to read the same number of pages each day so that it would be finished on time. She has seven days to read the book. How many pages should she read each day?

Hunter's family was from The Netherlands. They had lived in the United States for only five years. When Hunter came home and asked his mother what he could bake for Pastry Day, she told him she would help him make Krakelingen, Dutch pastry cookies. Her recipe calls for two cups of butter, three cups of flour, a third of a cup of water, and sugar. Hunter only wants to make half as many cookies. How much water will he need?

Rose is playing Half Court Quick Hoops at the local arcade. She may be playing way too much! She got her average up to 12 baskets in just 10 seconds. If she can keep up at that rate, how many baskets will she get in during the first round, which is 80 seconds?

How many total legs are on 13 dogs?

Anne has 50 books. She organized them equally into 5 boxes. How many books in each box?

What number is halfway between 13 and 17?

Name: _____

Nathan bought six rabbits. He wants to make a hutch for them. The man at the pet store told him that each rabbit would need at least twelve square feet of cage space. The hutch he wants to build is fifteen feet long and ten feet wide. After allowing twelve square feet per rabbit, how much space will he have left for a nesting box?

The Cat in the Hat lost his hat. He looked under the bed. He looked in the oven. He looked in the fishbowl. He looked in the bathtub. He looked for one hour and 45 minutes before he found his hat in a flowerpot. If he started looking at 11:35 a.m., what time did he find his hat?

Draw an area model to solve 39×6 .

Jason is 6 years younger than Jessica. Mary is 11 years older than Jason. Nathan is 6 years younger than Mary. Mary is 25 years old.

How old is everyone else?

Name: _____

Which answer has the greatest unit size?

- A) 55 ft
- B) 15 mi
- C) A and B are equal.

$\$79.24 - \$62.68 =$

- A) \$125.60
- B) \$16.56
- C) \$96.76
- D) A and B are equal.

$11 - 9 =$

- A) 7
- B) 1
- C) 2

36 inches is

- A) less than 1 foot
- B) equal to 2 feet
- C) more than 4 feet
- D) less than 3 yards

Christina is driving to meet her friend at the coffee house. She looked at her watch and saw it was 5:37. If she is supposed to meet her friend at 6:24, how much time does she have?

- A) 47 minutes
- B) 62 minutes
- C) 35 minutes
- D) 13 minutes

What should replace the _____ to make the following sentence true?

$13 + 22 = 5 \text{ ______ } 7$

- A) x
- B) +
- C) -

Name: _____

Mrs. Rodriguez has a black cat. He is black all over. She said he doesn't have one white hair on his body! Yesterday he got sick. Mrs. Rodriguez took him to the animal hospital for some medicine. It cost \$40.67. Mrs. Rodriguez gave the doctor a \$50 bill. How much change did she get?

Mrs. White received \$150 for her birthday. She bought a dress for herself for \$48. She bought a shirt for Mr. White for \$33. How much money does she have left?

Jacob was boasting. He said that he was the strongest boy in third grade. He said that he was the smartest, too. He didn't see the hole in the sidewalk. He fell and broke his nose. He went to the hospital at 3:26 p.m. He was there until 4:24 p.m. How long was he at the hospital?

If $\square = 10$, then $17 - \square =$ _____

Color in $\frac{1}{4}$.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fill in the boxes so each line equals 13.

13

$$\boxed{1} \times \boxed{}$$

$$\boxed{} \div \boxed{2}$$

$$\boxed{19} - \boxed{}$$

$$(\boxed{} + \boxed{2}) + \boxed{}$$

$$\boxed{} + \boxed{} \times \boxed{11}$$

Make a pattern.
Start with 83.
Subtract 10.

_____, _____, _____, _____, _____, _____

Would you use a ruler or a yardstick to measure the length of your classroom?

Name: _____

What are 23 tens equal to?

Write the number for
three thousand, eight
hundred nine.

Fill in the boxes so each line equals 8.

8

$$\boxed{} \div \boxed{4}$$

$$\boxed{4} \times \boxed{}$$

$$\boxed{12} - \boxed{}$$

$$(\boxed{} - \boxed{14}) + \boxed{}$$

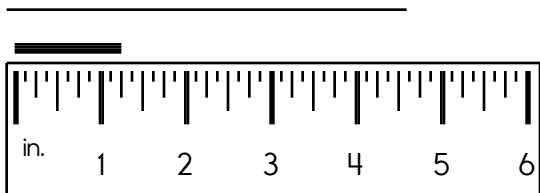
Write the shaded part as a decimal.



Which is larger, 0.6 or 9?

$$\begin{array}{r} 26 \\ + 10 \\ \hline \end{array}$$

Write the length in inches.



What is the mode of these
numbers?

26, , 18, 18, 25, 19, 27, 26, 29

☐ uotsied

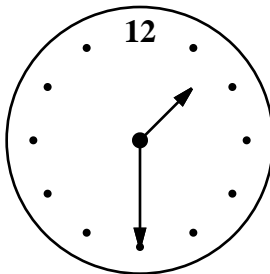
☐ uotside

☐ outside

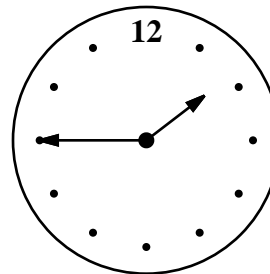
☐ uatsude

How many gallons are equal
to 24 pints?

It is 82 degrees Fahrenheit
outside. What would you
wear if you are going
outside?



current time (pm)



time party starts (pm)

How long until the party? _____

In each pair, circle the word that is
spelled correctly.

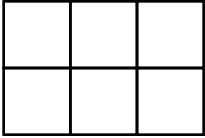
displease, displese

volume, volumn

anuther, another

Which is larger, $\frac{3}{5}$ or $\frac{2}{5}$?

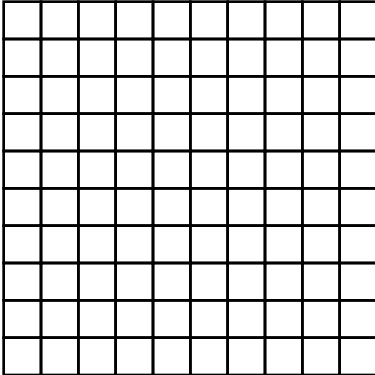
Name: _____

Color in $\frac{1}{2}$. 	What polygon has four sides? _____	Which of the following endings best completes the sentence? Jimmy was hop_____ up and down when he twisted his ankle. (A) -ping (B) -ing (C) -ied (D) -pping
	Write the fraction for 0.03. _____	

Fill in the missing fraction. $\frac{1}{5}$, _____ , $\frac{3}{5}$, $\frac{4}{5}$	List the first five multiples of 5. _____
--	--

Expand the number. 436 = _____ + _____ + <u>6</u>	Circle the largest number. 170 216 170 195 951 208
--	--

The factors of 8 are 1 _____ 4 _____	Write the number with 4 thousands and 5 ones. _____
--	--

What are the first three multiples of 4? _____	Color $\frac{66}{100}$. 	$\begin{array}{r} 4 \\ 3 \\ + 57 \\ \hline \end{array}$	$6 \overline{)36}$
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If $j = 16$, then what does $j - 8$ equal? _____	Round the number to the place value of the BIG number. 61,6 5 4,713 _____
--	--

Name: _____

$$\begin{array}{r} 15 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 144 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ - 89 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 48 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ - 81 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 111 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ + 90 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 81 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 144 \\ - 81 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ - 21 \\ \hline \end{array}$$

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

$$\begin{array}{r} + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 4 \\ \hline 19 \end{array}$$

$$\begin{array}{r} + \square \\ \hline 27 \end{array}$$

$$\begin{array}{r} 29 \\ - \square \\ \hline \end{array}$$

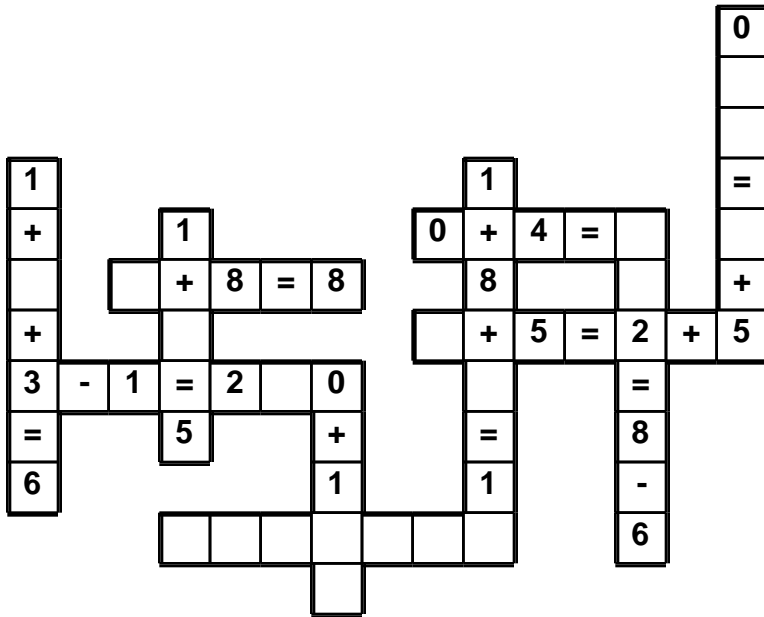
$$\begin{array}{r} 21 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 6 \\ \hline 31 \end{array}$$

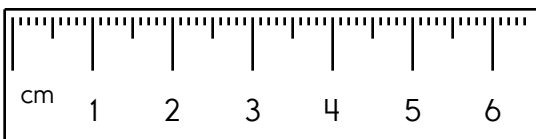
$$\begin{array}{r} - \square \\ \hline 22 \end{array}$$

$$\begin{array}{r} - \square \\ \hline 20 \end{array}$$

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



$$\begin{array}{r} 76 \\ - 32 \\ \hline \end{array}$$



$$5 \overline{) 45}$$

Name: _____

☒ $5 \times 3 = 15$

☐ $8 \times 2 =$

☐ $10 \times 2 =$

☐ $3 \times 10 =$

☐ $3 \times 4 =$

☐ $12 \times 11 =$

☐ $8 \times 4 =$

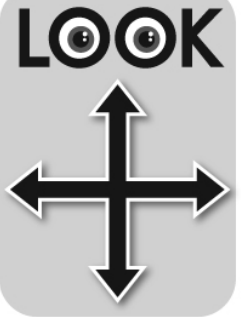
☐ $11 \times 4 =$

☐ $11 \times 5 =$

☐ $9 \times 2 =$

☐ $3 \times 6 =$

2	23	14	3	22	11	12	17	13	16	18	7	8	10	2	20
4	4	4	6	18	13	10	2	16	15	2	10	20	25	10	17
12	30	3	12	15	1	2	9	2	18	5	1	19	19	4	24
15	5	133	4	8	3	21	11	9	6	2	17	11	2	30	9
23	3	20	131	14	11	7	11	17	8	16	16	2	8	10	4
14	3	$5 \times 3 = 15$	10	17	9	4	13	20	26	44	132	5	2		
21	2	7	19	16	2	44	4	11	14	7	5	28	8	11	14
18	2	10	13	2	10	3	55	8	6	9	4	17	15	11	131
3	20	9	12	17	11	11	19	12	55	133	15	11	19	12	12
44	132	8	12	12	18	19	6	6	1	25	13	3	18	13	11
25	11	22	3	10	12	12	4	3	32	21	17	6	16	12	10
11	12	13	10	7	3	6	18	32	23	3	23	14	18	10	28
10	14	9	30	3	4	18	132	4	17	2	3	11	8	3	2
5	32	17	15	15	17	6	16	8	19	3	19	11	5	55	4



Write
operation.

Write = sign.

Circle.

☒ $9 \times 12 = 108$

☐ $6 \times 4 =$

☐ $5 \times 7 =$

☐ $7 \times 6 =$

☐ $3 \times 5 =$

☐ $5 \times 4 =$

☐ $5 \times 10 =$

☐ $2 \times 11 =$

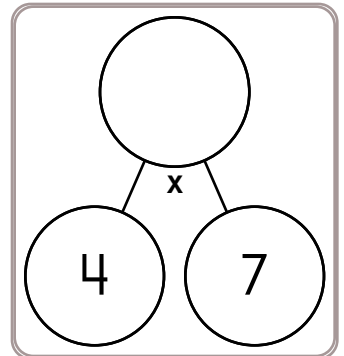
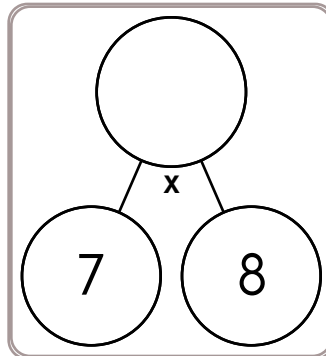
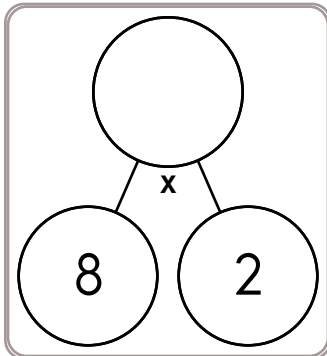
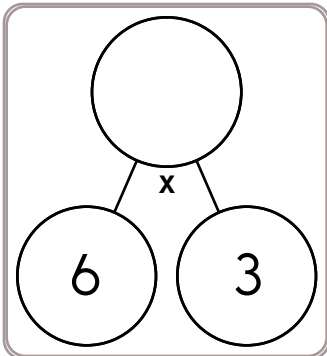
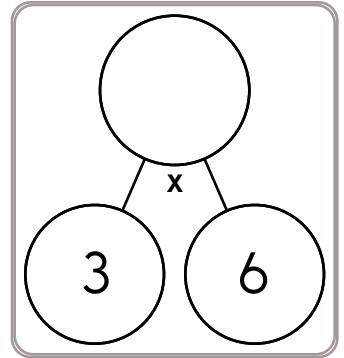
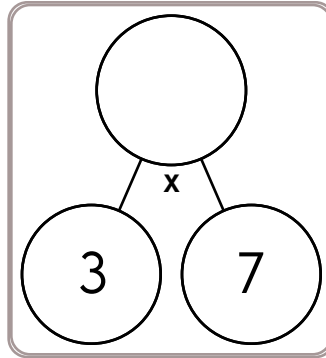
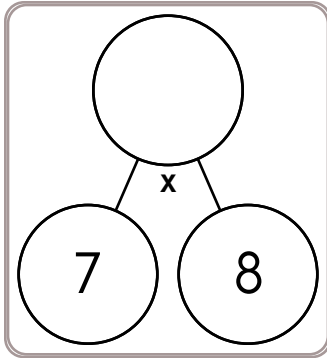
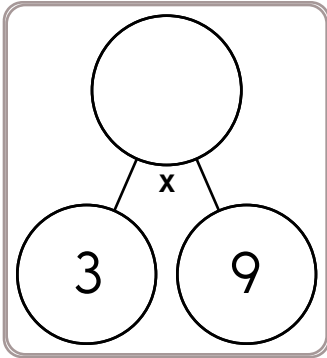
☐ $5 \times 11 =$

☐ $4 \times 4 =$

☐ $11 \times 11 =$

42	2	22	9	15	7	4	121	23	16	3	4	4	16	56	4
6	6	9	23	16	5	3	5	15	11	4	4	55	11	5	12
7	6	13	2	13	22	108	35	9	11	12	4	18	2	11	14
42	11	2	5	14	16	22	10	10	4	5	108	2	13	9	8
15	29	20	4	16	2	11	22	9	15	9	1	19	12	15	22
5	23	13	9	11	2	43	50	6	4	16	55	35	13	27	11
15	5	10	50	12	11	8	16	14	4	11	29	15	121	11	11
7	13	$9 \times 12 = 108$	5	6	16	4	29	7	11	16	2	7	5		
7	56	2	12	12	3	15	6	3	11	121	7	9	24	22	4
16	5	21	9	18	18	1	16	12	16	9	5	2	35	24	23
22	55	12	28	5	4	5	13	13	5	23	22	2	7	7	6
22	10	7	10	11	4	12	51	12	6	20	23	15	5	7	10
1	11	24	4	6	4	12	24	42	20	4	5	5	50	10	6

Name: _____



$7 \times 4 =$

$9 \times 6 =$

$3 \times 5 =$

$7 \times 9 =$

$4 \times 8 =$

$6 \times 7 =$

$6 \times 3 =$

$9 \times 4 =$

$5 \times 3 =$

$6 \times 6 =$

$6 \times 4 =$

$4 \times 7 =$



$4 \times \underline{\quad} = 24$

$\underline{\quad} \times 2 = 16$

$\underline{\quad} \times 3 = 24$

$5 \times \underline{\quad} = 25$

$9 \times \underline{\quad} = 81$

$\underline{\quad} \times 5 = 35$

$4 \times \underline{\quad} = 28$

$\underline{\quad} \times 6 = 12$

$5 \times \underline{\quad} = 35$

$\underline{\quad} \times 4 = 36$

$7 \times \underline{\quad} = 63$

$\underline{\quad} \times 9 = 54$

Name: _____

$$\begin{array}{r} 403 \\ + 585 \\ \hline \end{array}$$

$$\begin{array}{r} 648 \\ + 383 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ + 393 \\ \hline \end{array}$$

$$\begin{array}{r} 160 \\ + 890 \\ \hline \end{array}$$

$$\begin{array}{r} 872 \\ + 150 \\ \hline \end{array}$$

$$\begin{array}{r} 8\Box5 \\ + \Box73 \\ \hline 16\Box \end{array}$$

$$\begin{array}{r} \Box93 \\ + 3\Box\Box \\ \hline 110 \end{array}$$

$$\begin{array}{r} 226 \\ + 3\Box5 \\ \hline \Box8\Box \end{array}$$

$$\begin{array}{r} 5\Box5 \\ + 55\Box \\ \hline \Box0\Box \end{array}$$

$$\begin{array}{r} 9\Box5 \\ + \Box11 \\ \hline 13\Box \end{array}$$

$$\begin{array}{r} 426 \\ + 169 \\ \hline \end{array}$$

$$\begin{array}{r} 904 \\ + 818 \\ \hline \end{array}$$

$$\begin{array}{r} 839 \\ + 342 \\ \hline \end{array}$$

$$\begin{array}{r} 354 \\ + 342 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ + 204 \\ \hline \end{array}$$

$$\begin{array}{r} \Box\Box\Box \\ + 500 \\ \hline 12\Box \end{array}$$

$$\begin{array}{r} \Box\Box5 \\ + 270 \\ \hline 38\Box \end{array}$$

$$\begin{array}{r} \Box97 \\ + 2\Box\Box \\ \hline \Box23 \end{array}$$

$$\begin{array}{r} 298 \\ + \Box\Box9 \\ \hline \Box8\Box \end{array}$$

$$\begin{array}{r} \Box\Box8 \\ + 669 \\ \hline 82\Box \end{array}$$

$$\begin{array}{r} 503 \\ + 793 \\ \hline \end{array}$$

$$\begin{array}{r} 386 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 714 \\ + 941 \\ \hline \end{array}$$

$$\begin{array}{r} 320 \\ + 794 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 531 \\ \hline \end{array}$$

$$\begin{array}{r} \Box\Box9 \\ + 40\Box \\ \hline 8\Box0 \end{array}$$

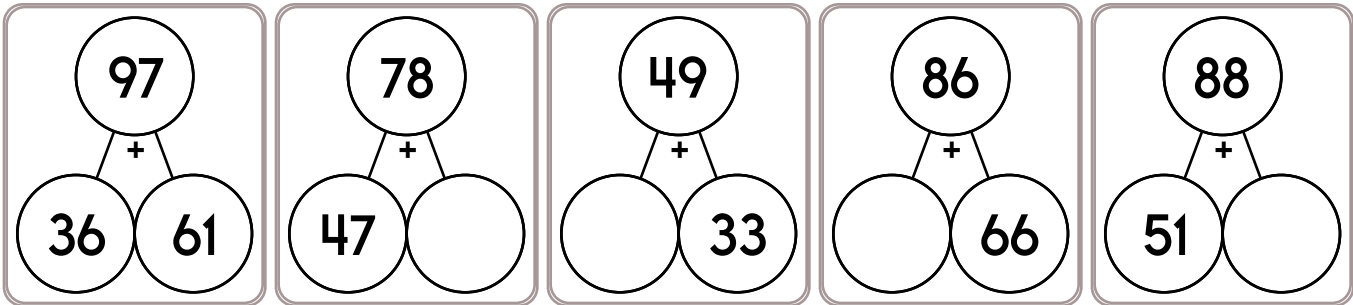
$$\begin{array}{r} 6\Box8 \\ + \Box69 \\ \hline 16\Box \end{array}$$

$$\begin{array}{r} 615 \\ + \Box\Box8 \\ \hline 13\Box \end{array}$$

$$\begin{array}{r} 7\Box\Box \\ + 5\Box7 \\ \hline \Box36 \end{array}$$

$$\begin{array}{r} \Box6\Box \\ + \Box\Box7 \\ \hline 155 \end{array}$$

Name: _____



Is 41 a composite or a prime number?

$$27 + \underline{\hspace{1cm}} + 29 = 69$$

In the equation $40 \times 413 = 16,520$, which number is the product?

Jason earns \$21 an hour. He worked 3 hours. How much did he make?

$$4 \times 10 + 6$$

Write the number that has exactly 13 ones.

0, 0, 0, 4, 4, 4, 4, 4,
0, 0, 0, 4, 4, 4, 4, 4,
4, 4, 4, 0, 0, 0, 4, 4,
4, _____, 4, 4

Circle the seven numbers whose sum equals 40.

10	8	12	4
11	9	4	1
3	8	4	5

Draw a small clock that shows 5 minutes past 9:00.

How many total legs are on 9 owls?

Write the number that is one thousand more than 6,851.

$$32 \div 4 =$$

	5	3
X		4
<hr/>		

	5	6
X		5
<hr/>		

	7	1
X		8

	3	5
X		9
<hr/>		

	1	7
X		9

	2	3	4	4	8
X					9

	5	9	3	1	7
X					2

	7	9	6	8	4
X					4

Score	Group X (Frequency)	Group Y (Frequency)
1	2	1
2	3	2
3	1	2
4	0	2

A 3D bar chart illustrating the joint probability distribution of two discrete random variables, X and Y . The horizontal axis represents the value of X (0, 1, 2) and the vertical axis represents the value of Y (0, 1, 2). The height of each bar indicates the frequency of the outcome (X, Y) . The frequencies are: $(0,0)=1$, $(0,1)=1$, $(0,2)=1$, $(1,0)=1$, $(1,1)=1$, $(1,2)=1$, $(2,0)=2$, $(2,1)=1$, and $(2,2)=1$.

		3	6
X	3	9	

A 3D diagram of a staircase with 5 steps. The top step is labeled '5' and the second step from the top is labeled '1'. The total height is labeled '5' and the total width is labeled '5'. The diagram is composed of red and white blocks.

A 3D bar chart showing the frequency of outcomes for two events, X and Y. The horizontal axis represents outcomes 1, 2, 3, 4, 5, 6. The vertical axis represents frequency. The chart shows two distributions: one for event X (red bars) and one for event Y (blue bars). The frequencies are: Outcome 1: X=2, Y=1; Outcome 2: X=3, Y=2; Outcome 3: X=4, Y=3; Outcome 4: X=5, Y=4; Outcome 5: X=6, Y=5; Outcome 6: X=7, Y=6.

A 3D diagram of a staircase with 8 steps. The steps are arranged in a 4x2 grid. The front row has 4 steps, the middle row has 3 steps, and the back row has 1 step. The steps are colored in a gradient from light pink to dark red. The top step is labeled '7', the step below it is labeled '8', and the step to the right of the '8' is labeled '5'. The step to the left of the '8' is labeled 'X'.

Name: _____

x	0	1	2	3	4	5	6	7	8	9	10	11	12
2			4										
3												33	
4										36			
5									40				
6		6											
7											70		
8								56					
9							54						
10						50							
11													132
12				36									

$10 \times 6 =$ $11 \times 4 =$ $9 \times 7 =$ $0 \times 4 =$ $8 \times 3 =$

$8 \times 11 =$ $7 \times 5 =$ $0 \times 3 =$ $1 \times 6 =$ $5 \times 12 =$

$9 \times 6 =$ $4 \times 5 =$ $5 \times 1 =$ $8 \times 5 =$ $4 \times 12 =$

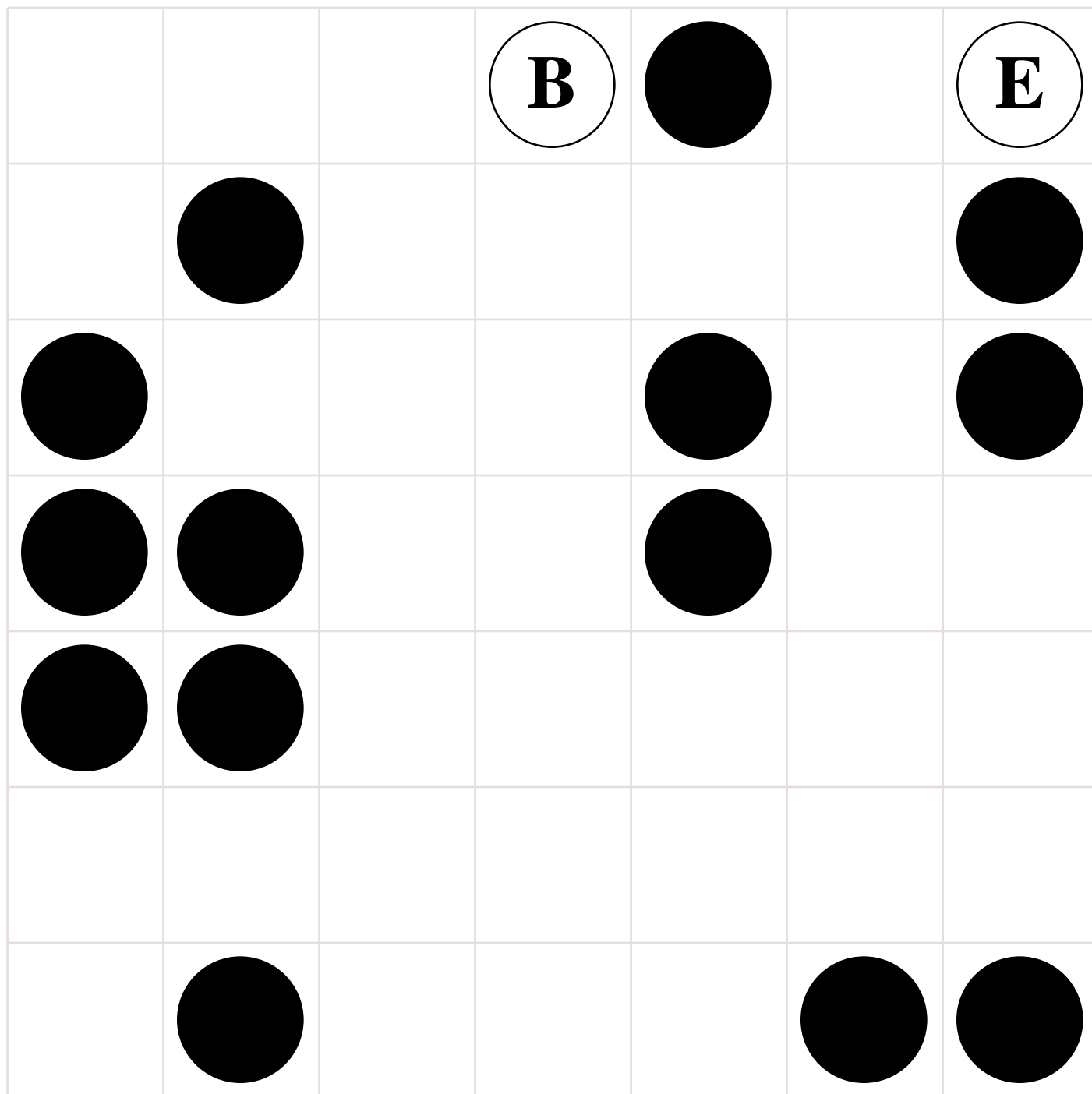
$7 \times 10 =$ $2 \times 6 =$ $4 \times 2 =$ $3 \times 10 =$ $3 \times 11 =$

Name _____



Date _____

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 circle. No stopping on an empty box.** Try to collect all the circles and finish your last line on the **E** circle. You can go through a circle more than once.



Didn't get them all? That's ok. This was hard.

I missed _____ circle(s).



It's NO PREP at edHelper.

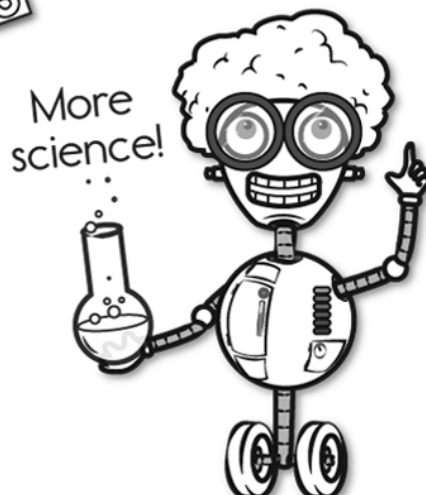
More history!



edHelper.com!



New online math games!



New ideas!



\times $=$ $-$ \div $<$ $>$

More puzzles!



