20	-4		+9		+22		-6		+2	
14										-1
+9										+26
-12										-8
-56										-17
+3										+30
+16										-66
										7
-7										+33
	-27		+37		-44		+5		+50	

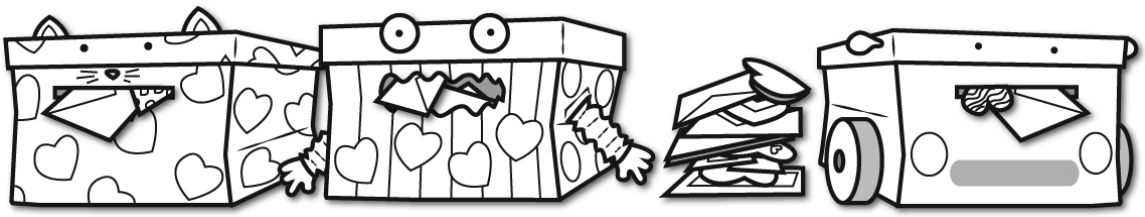
Name: _____

Pick 26 to do: Skip 2 pages.

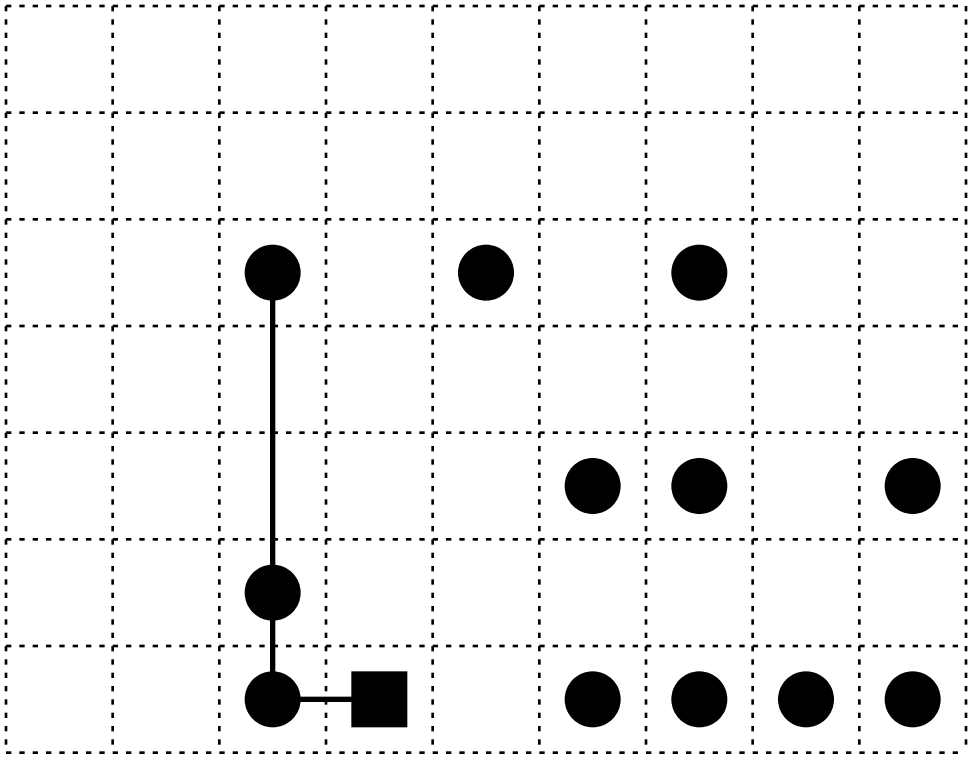
☐ page 1	☐ page 7	☐ page 13	☐ page 19	☐ page 25
☐ page 2	☐ page 8	☐ page 14	☐ page 20	☐ page 26
☐ page 3	☐ page 9	☐ page 15	☐ page 21	☐ page 27
☐ page 4	☐ page 10	☐ page 16	☐ page 22	☐ page 28
☐ page 5	☐ page 11	☐ page 17	☐ page 23	
☐ page 6	☐ page 12	☐ page 18	☐ page 24	

Challenge Math

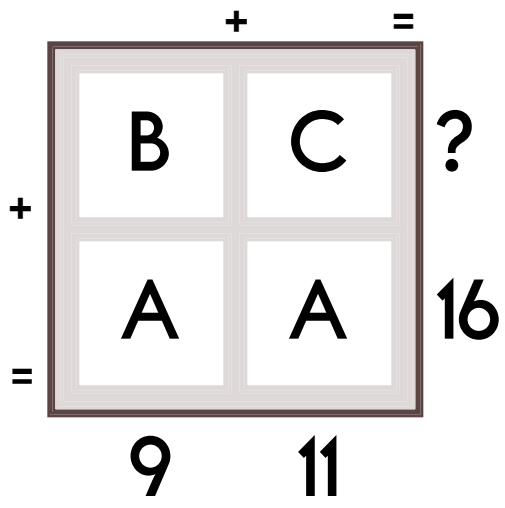
Book 25



Start on the square. Draw exactly 9 lines without picking up your pencil to connect all the circles.



Name: _____



Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

A + A = 16 C + A = __ __ + __ = 9

Additional hints:

B is the smallest. A is the largest. A = C + 5

Each letter is less than 11.

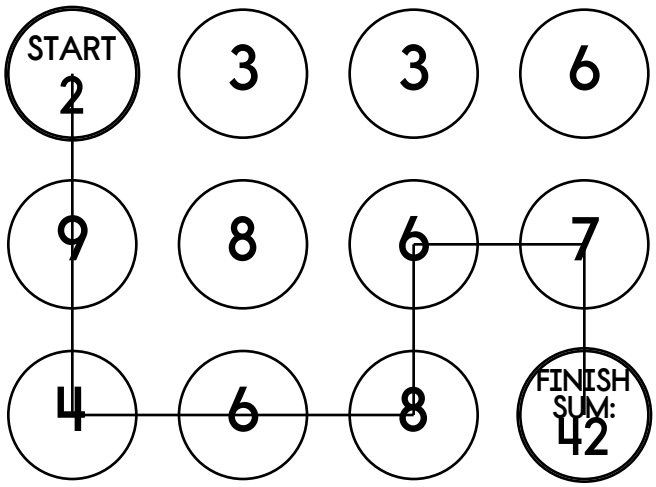
Show Work:

Solve:

? = __

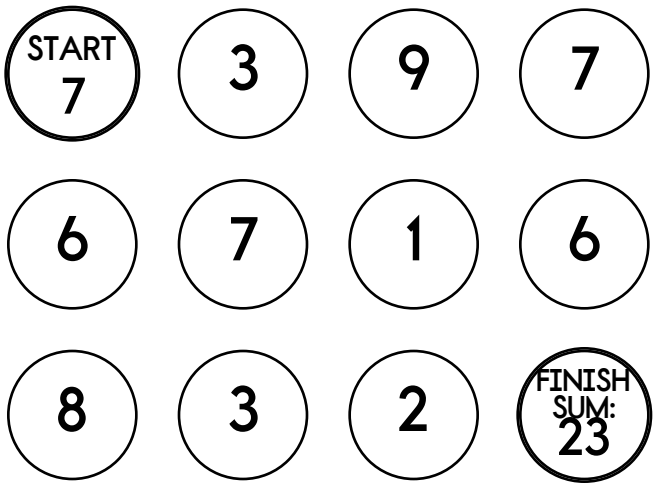
Name: _____

Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.



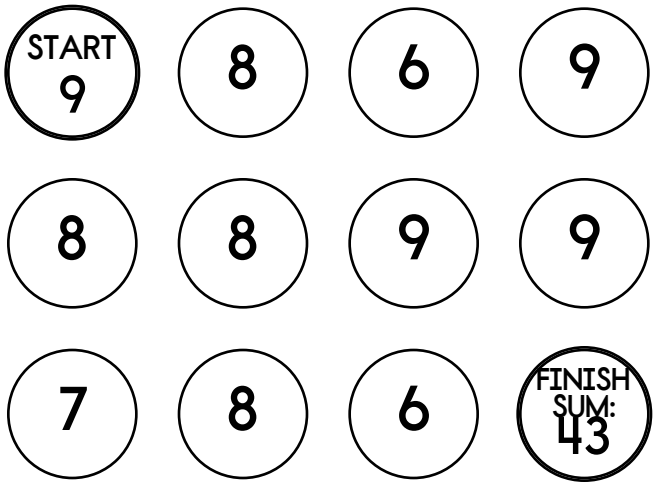
2 + 9 + 4 + 6 +

8 + 6 + 7 = 42



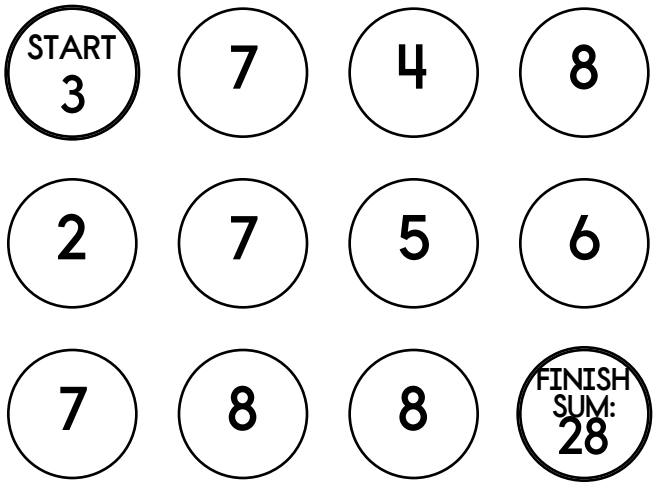
7 + 6 + ___ + ___ +

___ = 23



9 + 8 + ___ + ___ +

___ = 43



3 + ___ + ___ + ___ +

___ = 28

Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

Find a clock. What time is it right now?

8 + 6 - 2 - 6 + 4

$$\begin{array}{r} 57 \\ -\ \ 4 \\ \hline \end{array}$$

Make your own equation.

___ + 6 = ___

Round 37 to the nearest 10.

Circle the number that is smallest.

8,900 8,009

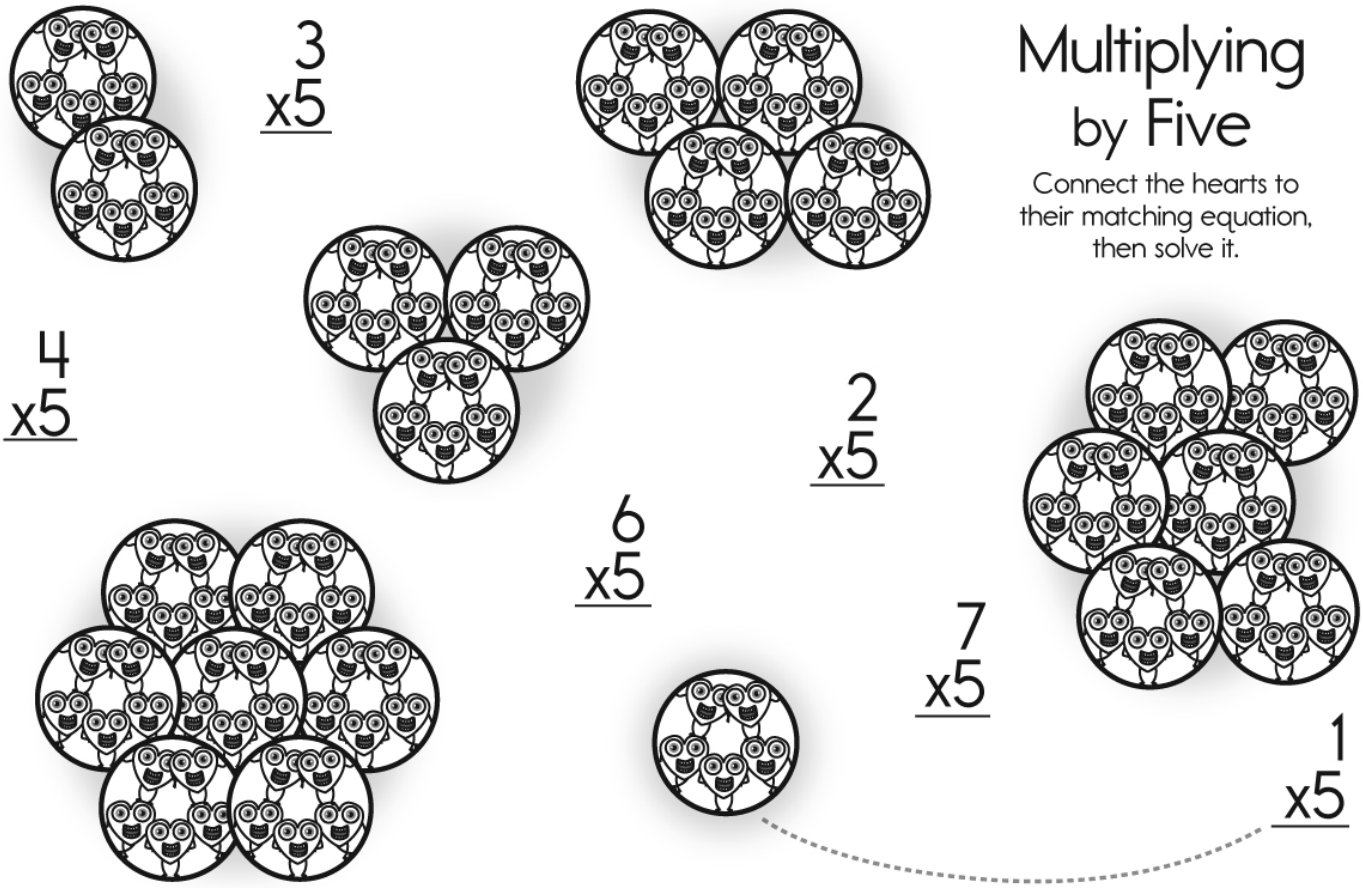
8,090

14 - 6 = ☐ 3 + 9 = ☐ 11 - 4 = ☐ 4 + 6 = ☐

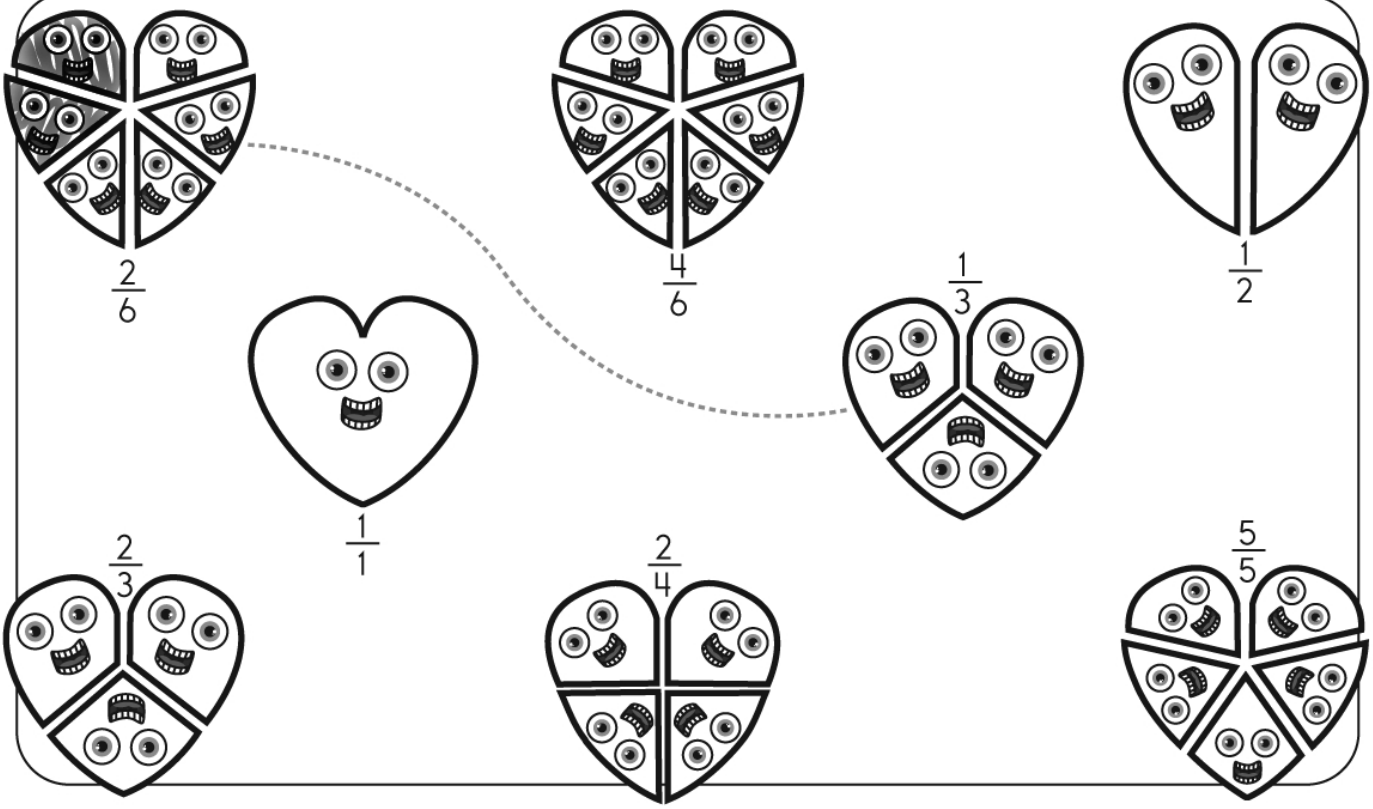
Name: _____

Multiplying by Five

Connect the hearts to their matching equation, then solve it.



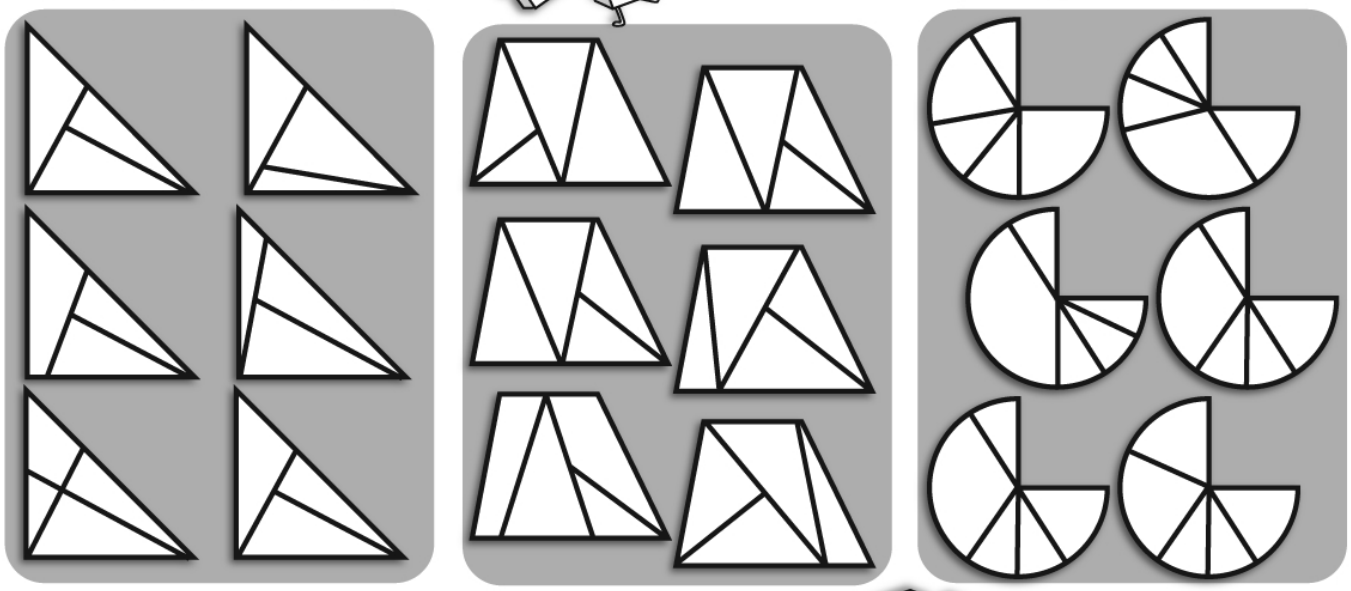
Color and Match the Even Fractions



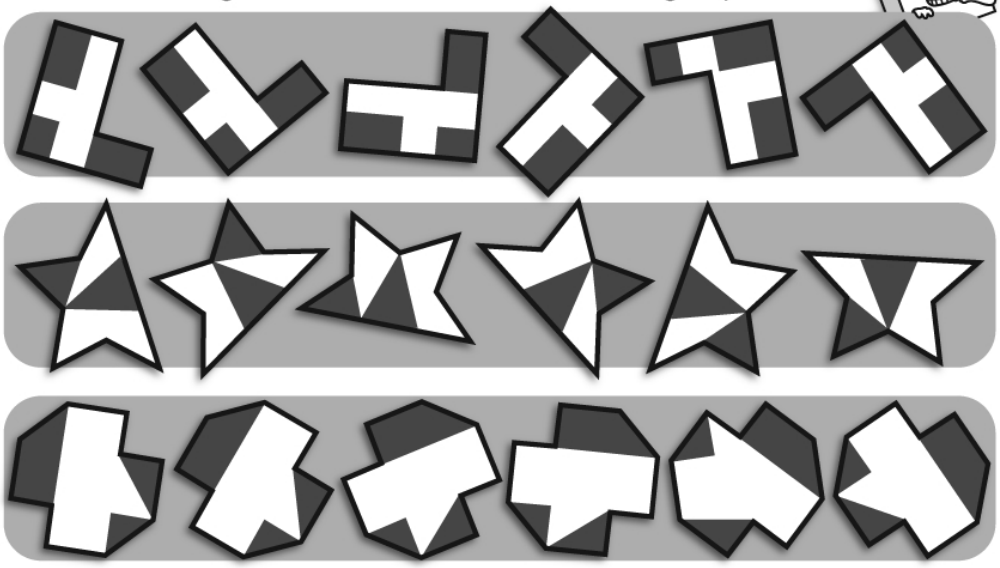
Name: _____

Fun with Figures!

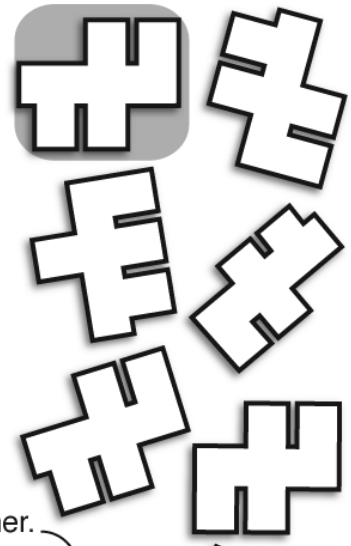
Circle the two figures that are the same in each group.



Cross out the figure that does not match in each group.

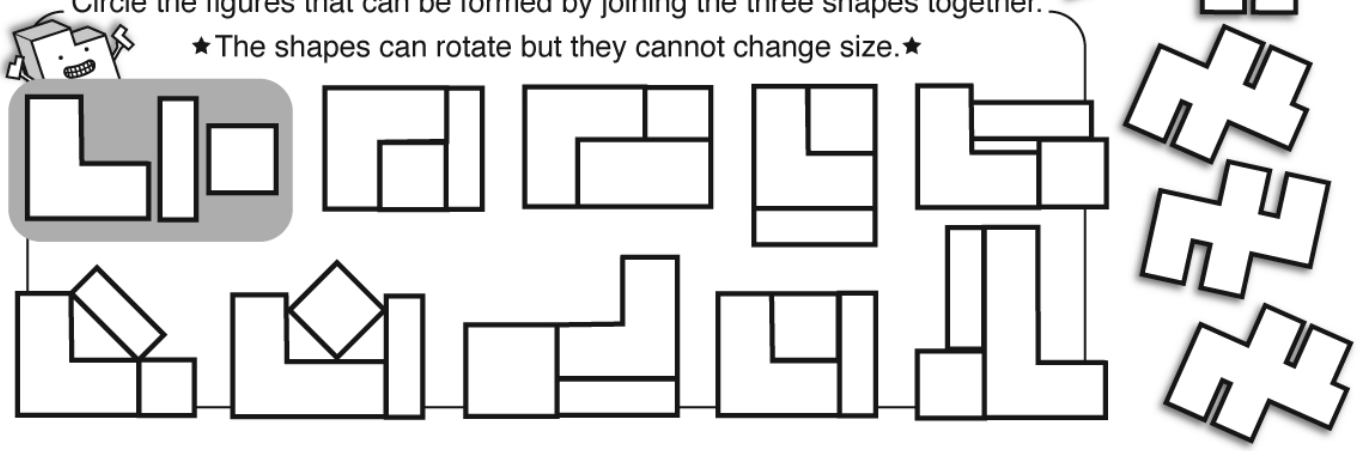


Cross out the figures that are not ***congruent*** (the same shape and size).



Circle the figures that can be formed by joining the three shapes together.

★The shapes can rotate but they cannot change size.★



Name: _____

Mrs. McCormack was gathering all the supplies for her class's Valentine's Day party. The 23 kids in her class were so excited to celebrate by handing out cards and making crafts. The students had signed up to bring most of the goodies for the party, but Mrs. McCormack needed to purchase plates, napkins, and drinks. She counted the juice boxes, water bottles, and milk cartons. She decided to buy 18 of each. If each of her students only choose one drink, how many drinks will be left over when the party is finished?

Show your work.

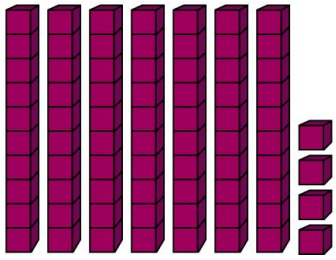
Name: _____

50 = _____ tens
770 = _____ tens
6,570 = _____ tens
140 = _____ tens

Mrs. Johnson needs to buy 30 cupcakes. At the mall, two stores sell cupcakes for the same price. Both stores have very tasty cupcakes. She has a coupon for the first store, Cupcakes Are Good. The coupon is $2 off every 3 cupcakes you buy. Would you believe she also has a coupon for the second store, Buy Here? Her coupon for Buy Here says, "$1 off for every 2 cupcakes you buy, So BUY HERE." Hmmm. Which store is the better buy? The store does not offer partial savings.

Name: _____

How many blocks are there?



74 47 740 407

Skill: Numbers to 1,000

Jessica _____ 49 tens into 4 hundreds and 9 tens.

increased averaged regrouped decreased

Skill: Addition

669 - 1 =

Skill: Subtraction

Complete the number pattern.

6 , 12 , 18 , 24 , 30 , ?

?= _____

Skill: Multiply 6,7

Write 19 in word form.

Skill: Whole Numbers and Place Value

10 more than 288 is

Skill: Place Value and Large Numbers

5 x 8

40 35 45 56

Skill: Multiply 8,9

4 x 5

Skill: Multiply 8,9

Name: _____

14 = _____ - 5

_____ = 18 - 12

8 = _____ - 10

6 tens, 7 hundreds

55, _____, 65, 70, 75, 80

13, 15, 17, _____, 21, 23, 25, 27, 29, 31

double 20

If you know
86 + 15 = 101
Then what is 86 + 12?

3 more than 863

15 - 2 = _____

26 + 3 = _____

Name: _____

Show what 5 x 2 looks like by drawing an array. What is the answer?

8 + 6 - 5 + 3

How many hours are there from 9 a.m. to 8 p.m.?

Make your own equation.

___ - 3 = ___

A teacher arranges desks. She puts 4 desks in each row. There are 3 rows. How many desks are there?

74 + 74 + 74

Change this into a multiplication problem.

___ x ___

Rose has a bowl. She puts 24 pennies into the bowl. Peter sees the bowl and takes 8 pennies. How much money (in cents) is left in the bowl?

Name: _____

Cross off the letter that does NOT belong.

A, D, G, J, M, P, S, V, W, Y

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

5, 5, 1, 1, 5, 5, 5, 5, 1, 1, 5, 5, 5, 5, 5,

5, 1, 1, 5, 5, 5, 5, 5, 5, 5, 5, 1, 1, 1

Why does _____ not belong in the pattern?

Name: _____

Cross off the number that does NOT belong.

48, 54, 60, 64, 66, 72, 78, 84, 90, 96

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

60, 70, 80, 86, 90, 100, 110, 120

Why does _____ not belong in the pattern?

Name: _____

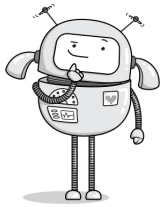
Secret Mission: You have been hired to develop and evaluate robots' math skills. Sometimes, they give thorough, correct explanations. However, they occasionally go haywire.

Robot Rita was given a math problem to solve.

A year on Mars lasts 687 days. Robot Pete lives on Mars. He is exactly 5 Mars years old. That means he was born 3,435 days ago, assuming a robot was born, which makes no sense. But who cares!

Robot Pete's older brother Jack was born 472 days before Pete. How many days old is Jack? Don't forget, to be older, Pete should be MORE days old than Jack! If your answer is less than 3,435 then think again.

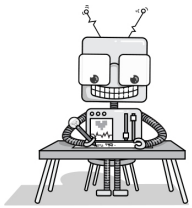
Robot Rita thinks this might be the answer:



Jack is 3907 days old.

Robot Rita did not explain too much. How do you think Robot Rita could have shown her work better?

Name: _____



She is not sure that is correct, so she asked Robot Rob for help. This is how he tries to solve the problem.

To find out how many days old Jack is, we simply add the number of days that he was born before Pete to Pete's age in days. So, 3,435 (Pete's age in days) + 472 (days Jack was born before Pete) = 3,907 days. So, Jack is 3,907 days old.

If you were the teacher, how would you grade Robot Rob's work? Explain and also make comments in Robot Rob's work.

Hint: EdHelper's answer pages gave this answer.

Jack is 3,907 days old.

Name: _____

Now that you have seen edHelper's answer and how the robots tried to solve this problem, how would you solve it? Show your steps and explain.

A year on Mars lasts 687 days. Robot Pete lives on Mars. He is exactly 5 Mars years old. That means he was born 3,435 days ago, assuming a robot was born, which makes no sense. But who cares!

Robot Pete's older brother Jack was born 472 days before Pete. How many days old is Jack? Don't forget, to be older, Pete should be MORE days old than Jack! If your answer is less than 3,435 then think again.

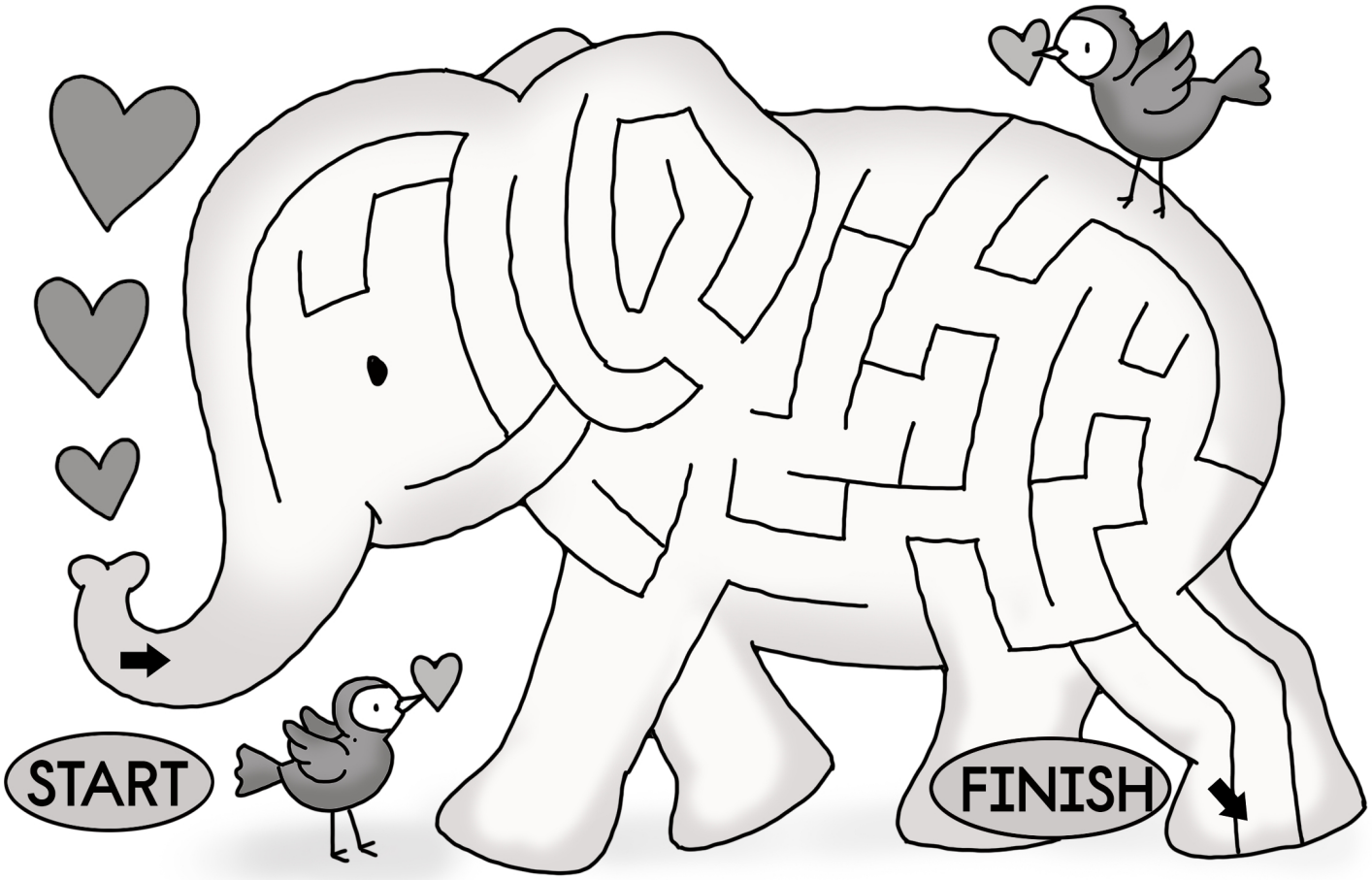
Name: _____

Now it's your turn. You've seen how the robots tried to solve this problem, and you corrected their work. Now you try doing it!

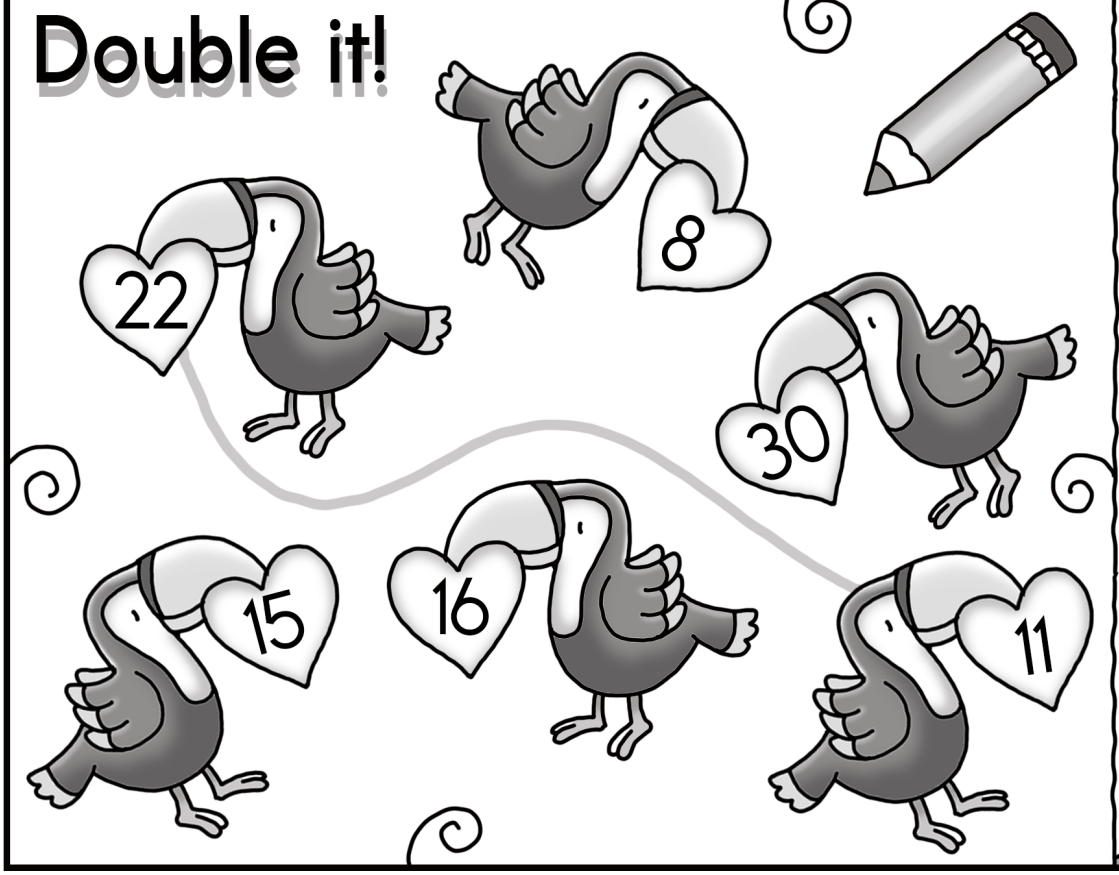
A year on Mars lasts 687 days. Robot Pete lives on Mars. He is exactly 2 Mars years old. That means he was born 1,374 days ago, assuming a robot was born, which makes no sense. But who cares!

Robot Pete's older brother Jack was born 368 days before Pete. How many days old is Jack? Don't forget, to be older, Pete should be MORE days old than Jack! If your answer is less than 1,374 then think again.

Name: _____

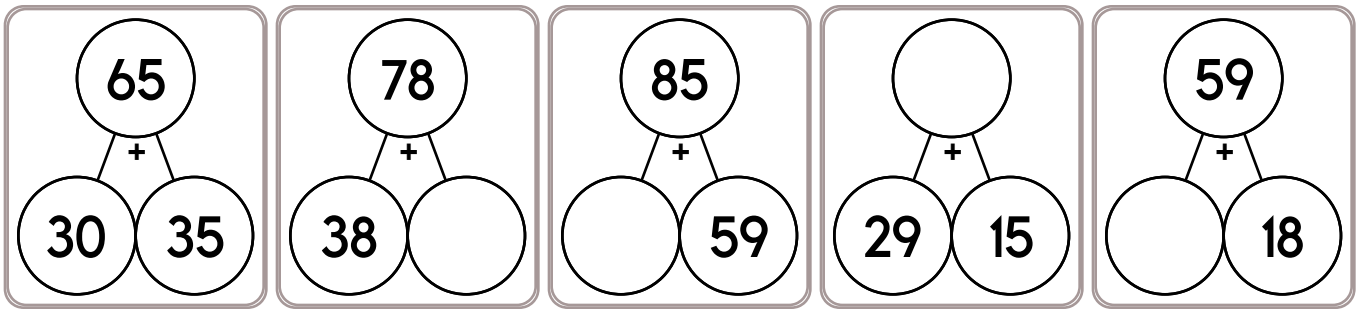


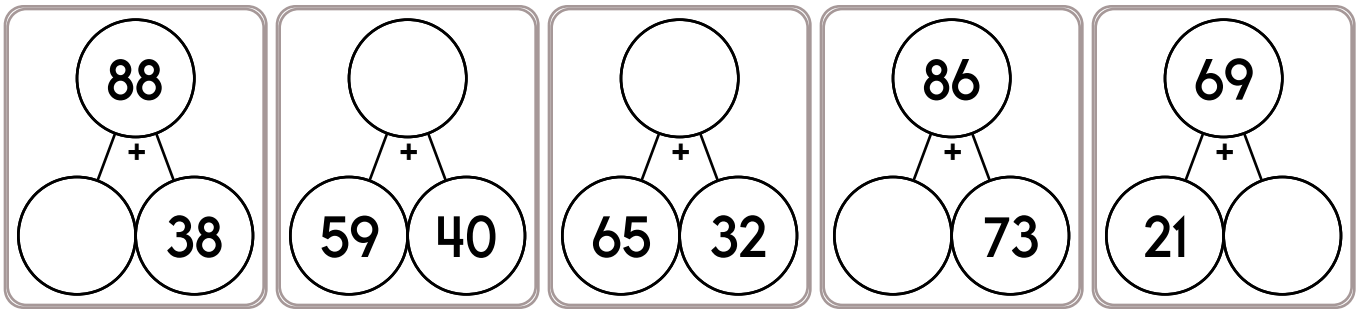
Double it!

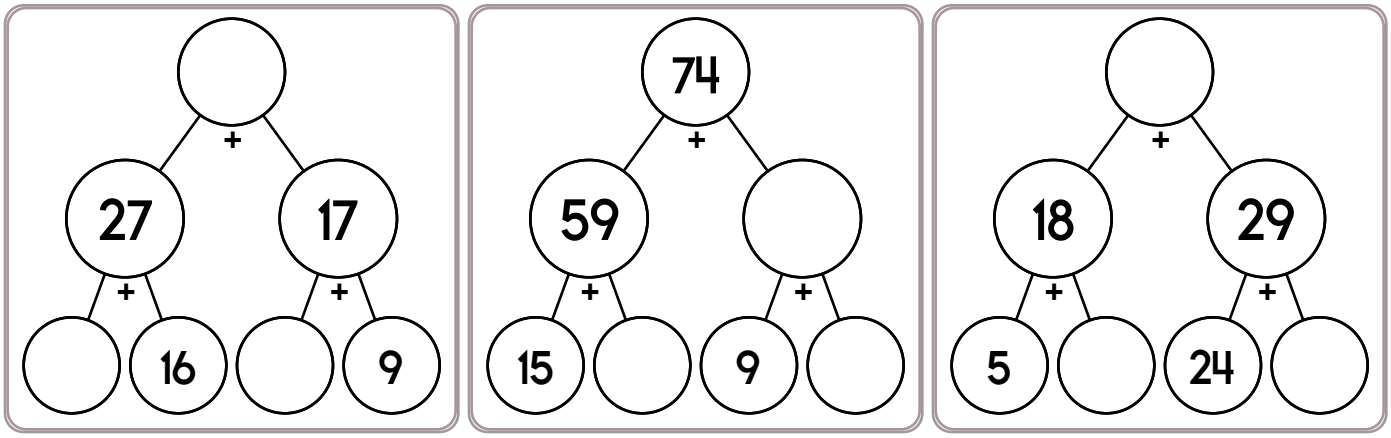


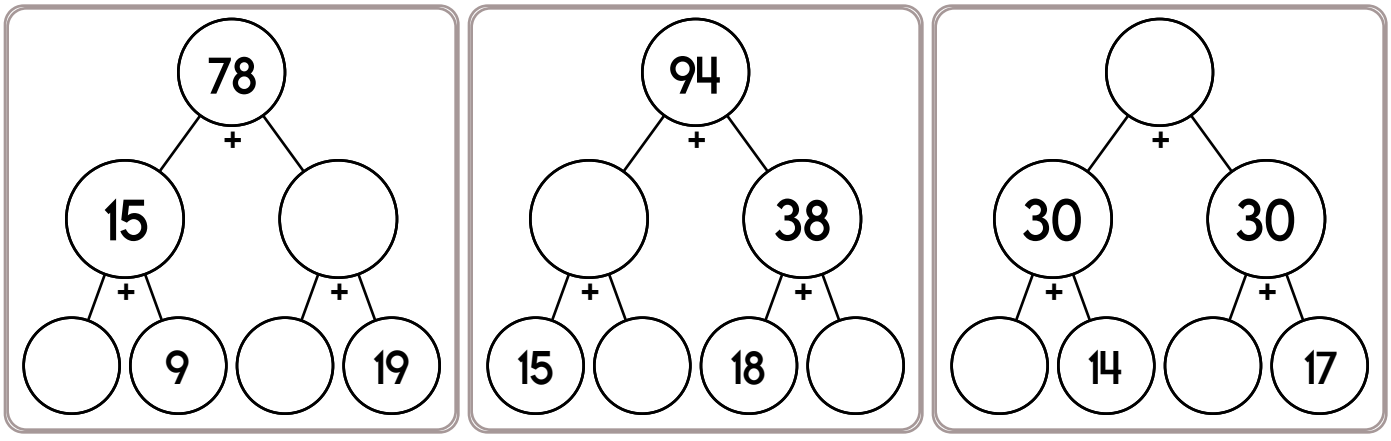
5	10
15	___
25	30
___	___
45	___

Name: _____









$$\begin{array}{r} 374 \\ -\ 178 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ +\ 28 \\ \hline \end{array}$$

Find the sum of 57 and 99.

Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

5 more than 675

	2	3	6
+		3	1

In six hours it will be midnight. What time is it now?

Circle the even numbers.

58 81 40 55

47 76 63 44 49

32 30 61 34

8 ___ 4 ___ 2 ___ 2 = 8

How many odd numbers are there between 33 and 51?

Name: _____

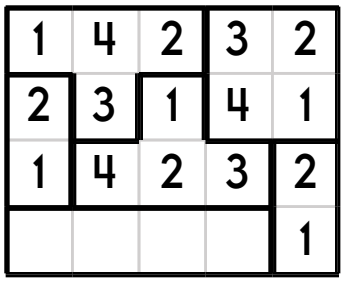
John won a gold and a silver medal. How many medals did he win?

Show your work.

Name: _____

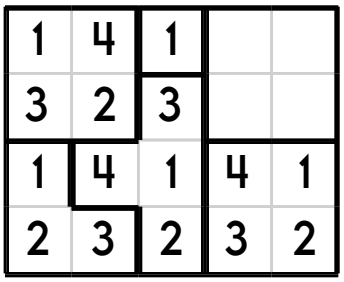
Fill in the missing numbers.
Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:
A block with 1 space has to be the number 1.
A block with 2 spaces must have the numbers 1 and 2.
A block with 3 spaces must have the numbers 1, 2, and 3.
A block with 4 spaces must have the numbers 1, 2, 3, and 4.



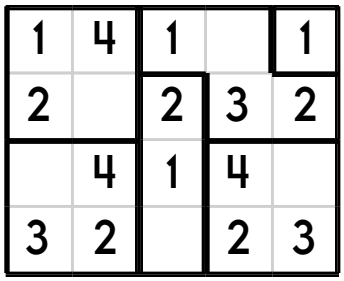
An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

2 4 1 3



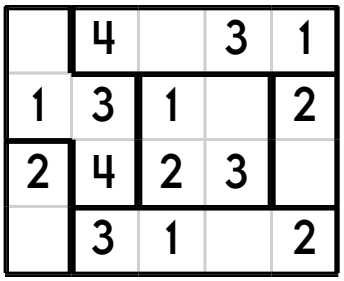
An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 1 2 4



Hint - These numbers are missing:

1 3 1 4 3



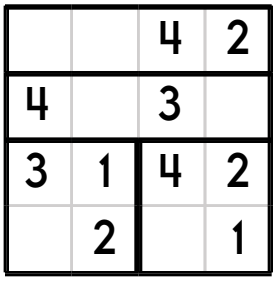
Hint - These numbers are missing:

1 2 4 1 2 4

word root **im** can mean **into or in** **immovable, impose, imposition**

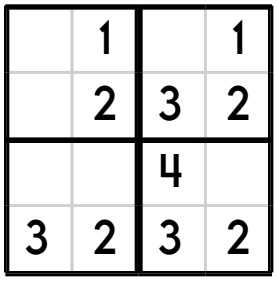
Name: _____

Fill in the missing numbers.



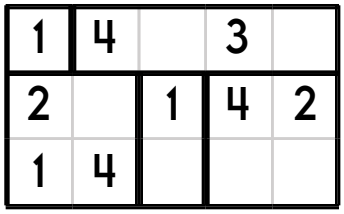
Hint - These numbers are missing:

3 2 3 1 1 4



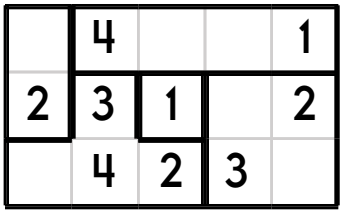
Hint - These numbers are missing:

1 1 4 4 4 3



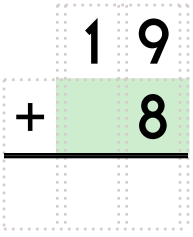
Hint - These numbers are missing:

1 3 2 3 1 2

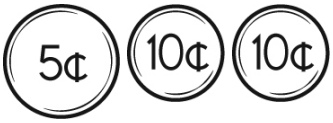


Hint - These numbers are missing:

3 1 2 4 1 1



How much is this?

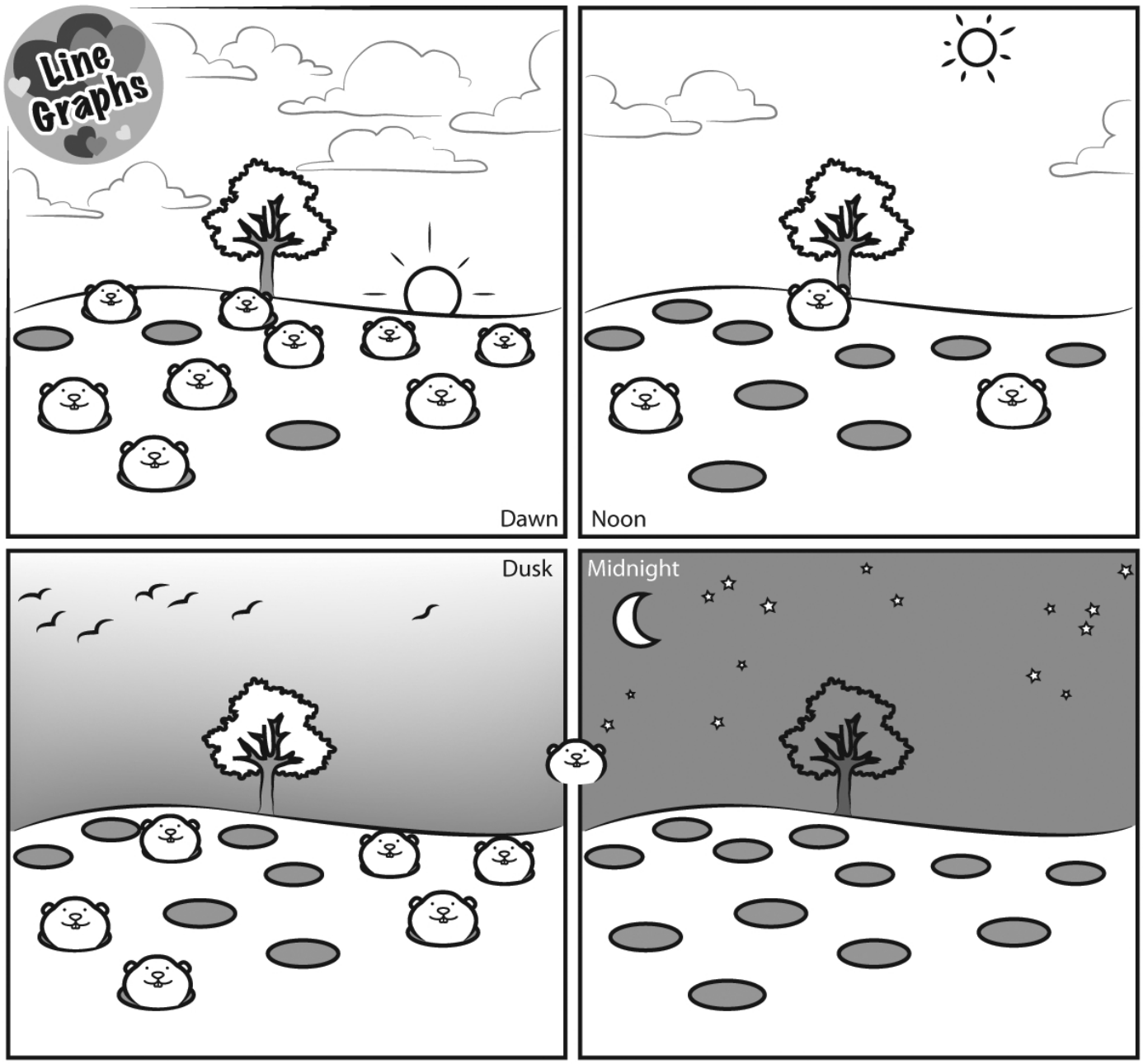


13 = 3 + 10

11 = ___ + 10

5 + 7 =	2 + 6 =	5 + 9 =	4 + 4 =	5 + 4 =	19 = ___ + 10 5 + 5 =

Name: _____



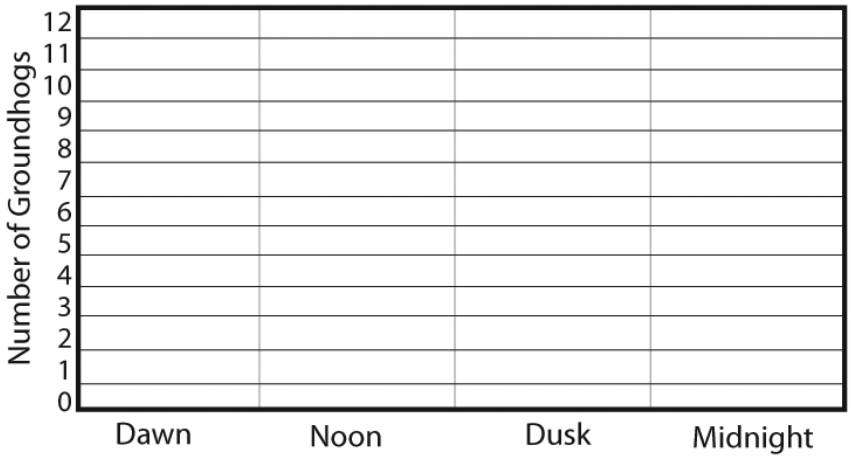
How many groundhogs are peeking out of their burrows at dawn, noon, dusk, and midnight? Put a dot on the graph to coordinate with each picture. Connect the dots to complete the line graph.

At what time did the most groundhogs peek?

_____

At what time did the least groundhogs peek?

_____



Name: _____

ICE CUBE CRUSH

Directions: Solve the multiplication problems below and shade the ice cube that contains the correct answer. The goal of the game is to shade all of the ice cubes.

5 x 6 = _____	6 x 10 = _____	7 x 4 = _____
9 x 7 = _____	3 x 9 = _____	6 x 8 = _____
3 x 3 = _____	7 x 7 = _____	8 x 2 = _____
9 x 4 = _____	2 x 9 = _____	7 x 8 = _____
5 x 3 = _____	9 x 9 = _____	5 x 8 = _____
6 x 7 = _____	8 x 4 = _____	11 x 5 = _____
12 x 6 = _____	4 x 5 = _____	1 x 22 = _____
5 x 5 = _____	11 x 8 = _____	12 x 2 = _____
7 x 5 = _____	4 x 13 = _____	2 x 2 = _____
2 x 5 = _____	8 x 8 = _____	4 x 3 = _____

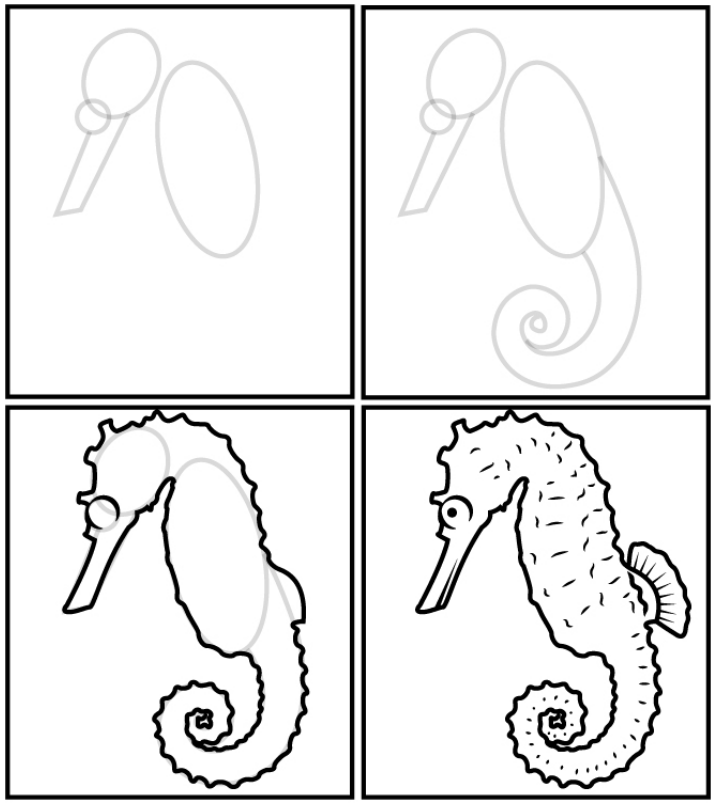
18	25	56	20	9
64	63	4	40	32
24	52	22	48	60
10	81	16	12	72
36	42	27	35	88
49	55	28	15	30

15 x 5 = _____	2 x 13 = _____	2 x 3 = _____
14 x 7 = _____	7 x 4 = _____	6 x 2 = _____
7 x 2 = _____	17 x 2 = _____	16 x 6 = _____
11 x 3 = _____	3 x 13 = _____	9 x 8 = _____
6 x 13 = _____	2 x 22 = _____	31 x 3 = _____
15 x 1 = _____	25 x 2 = _____	13 x 7 = _____
3 x 7 = _____	9 x 6 = _____	3 x 26 = _____
18 x 0 = _____	5 x 13 = _____	35 x 2 = _____
15 x 6 = _____	20 x 4 = _____	27 x 3 = _____
12 x 7 = _____	2 x 37 = _____	4 x 23 = _____

44	26	72	84	92
98	74	80	50	91
12	65	0	6	90
78	54	81	75	96
34	14	15	78	28
39	70	21	93	33

Name: _____

94 − 33	69 − 63	37 − 22	91 + 37	67 + 76	54 + 78
73 − 56	95 + 41	79 − 58	88 − 26	22 + 77	45 + 84



Draw it.
What can you add to your picture?

I added _____

43 + 65	39 − 20	80 − 39	47 + 91	89 − 71	93 − 93

Name: _____

78 + 73	98 - 70	70 - 67	92 + 64	62 - 37	20 + 60
27 + 15	66 + 11	73 + 24	42 - 15	70 - 30	45 - 41

53 + 68 =	17 + 72 =	33 + 21 =
78 + 92 =	81 + 88 =	12 + 58 =
90 + 24 =	13 + 87 =	21 + 17 =
62 + 89 =	69 + 82 =	28 + 67 =

96 - ___ = 29	89 - ___ = 71	97 - ___ = 57
88 - ___ = 1	58 - ___ = 38	48 - ___ = 33
72 - ___ = 24	73 - ___ = 8	89 - ___ = 11
75 - ___ = 30	59 - ___ = 3	71 - ___ = 39

38 + 68	63 - 32	56 + 58	65 + 77	27 - 15	92 - 81

Name: _____

75 + 39	65 - 42	49 - 23	92 + 14	59 + 56	82 - 53
45 + 66	87 - 40	34 - 17	67 + 91	12 + 67	45 - 23

75 + 67 =	32 + 68 =	52 + 47 =
54 + 30 =	14 + 16 =	82 + 12 =
57 + 38 =	15 + 12 =	31 + 70 =
62 + 60 =	32 + 75 =	68 + 40 =

___ - 31 = 20	___ - 55 = 35	50 - ___ = 17
60 - ___ = 47	47 - ___ = 10	___ - 32 = 2
___ - 52 = 37	72 - ___ = 35	72 - ___ = 37
___ - 22 = 61	73 - ___ = 54	___ - 54 = 43

33 + 73	40 + 96	92 + 32	92 - 61	54 - 18	45 - 15

Name: _____

Write your own math problem here.

Ask the person who helped you to try to solve your problem.

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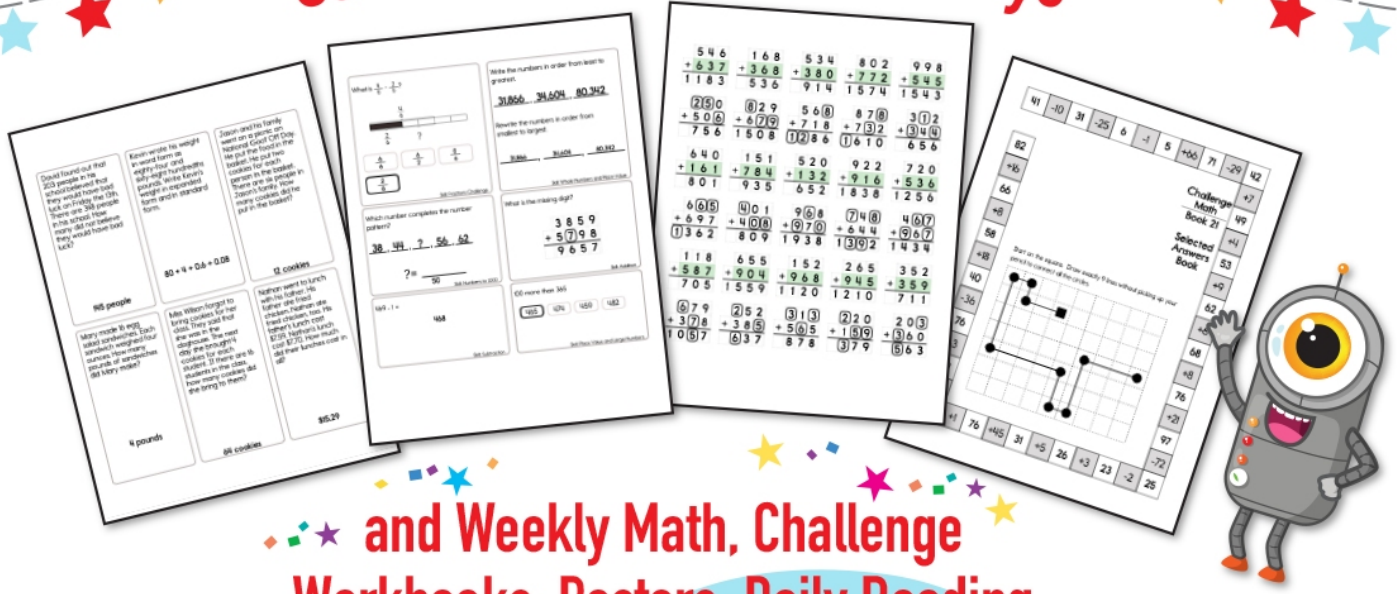

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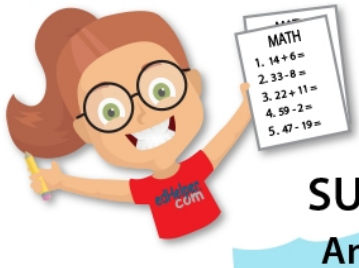

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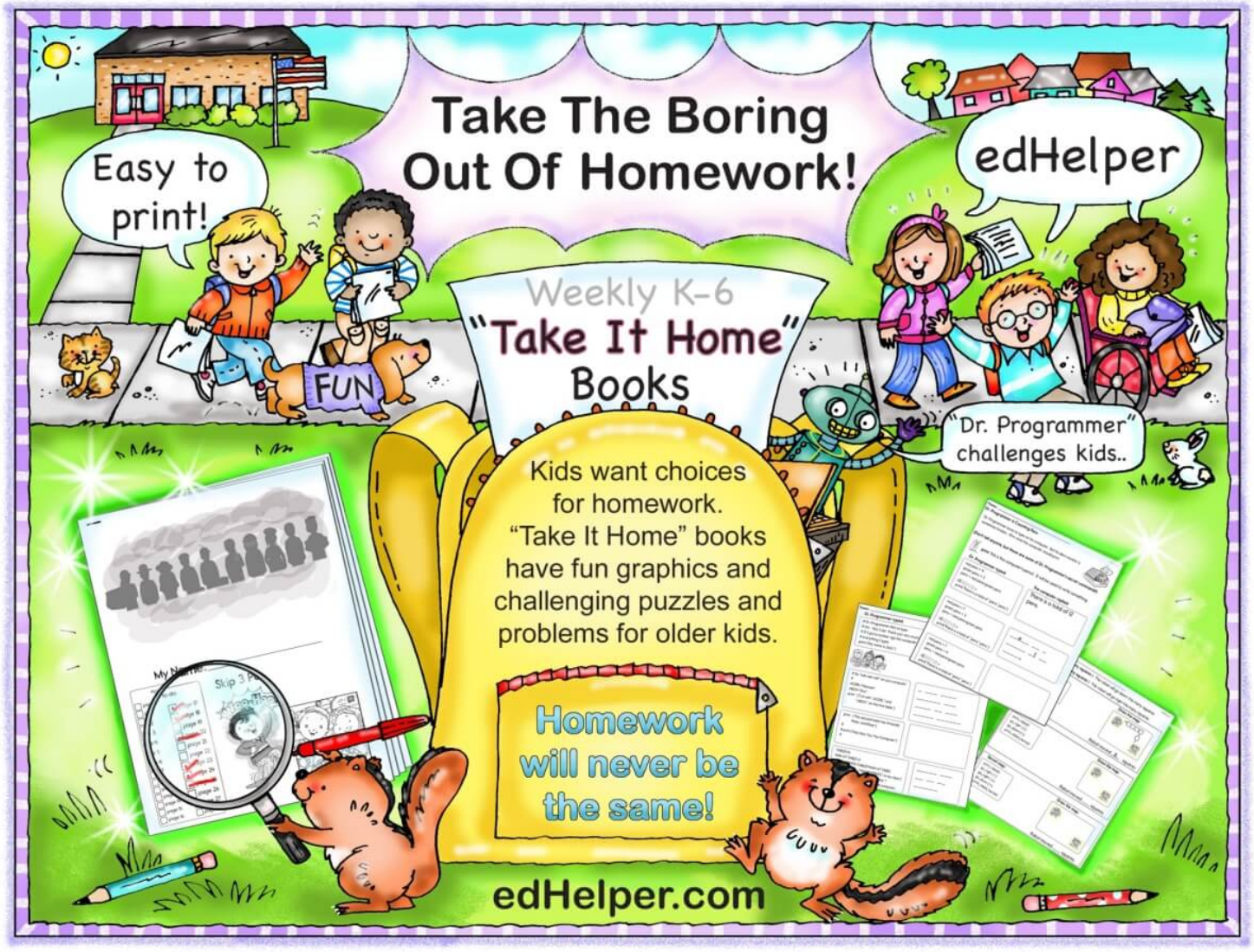
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