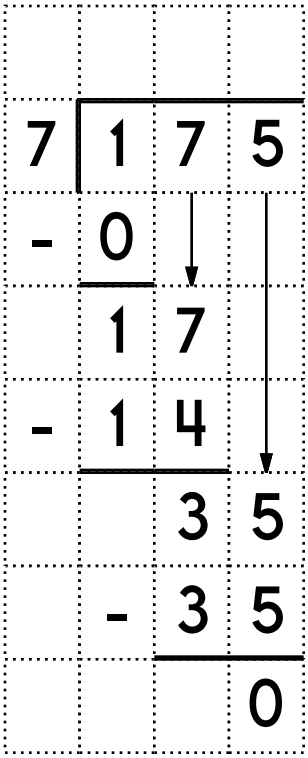
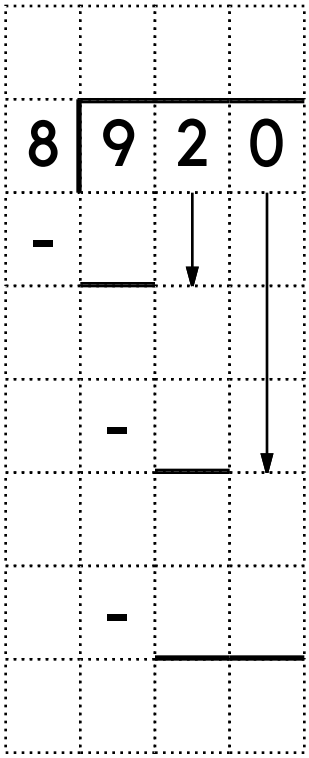
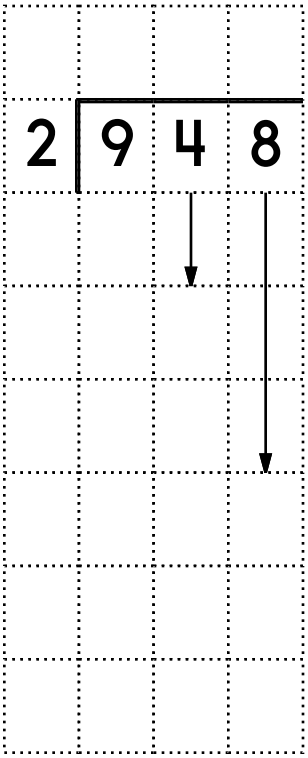
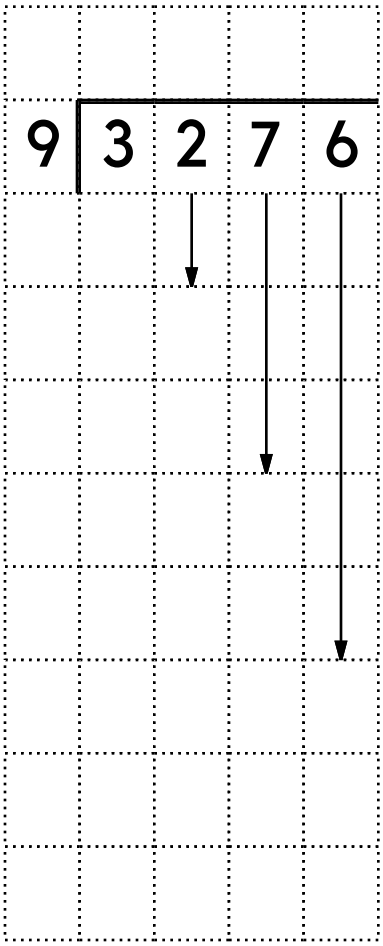
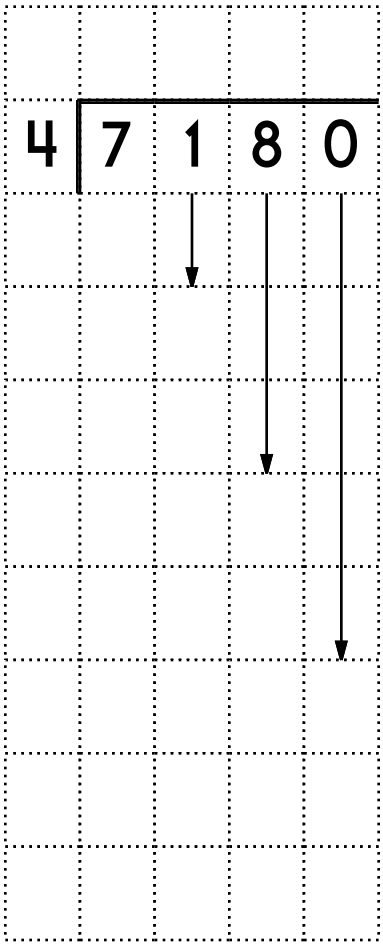
Name: _____

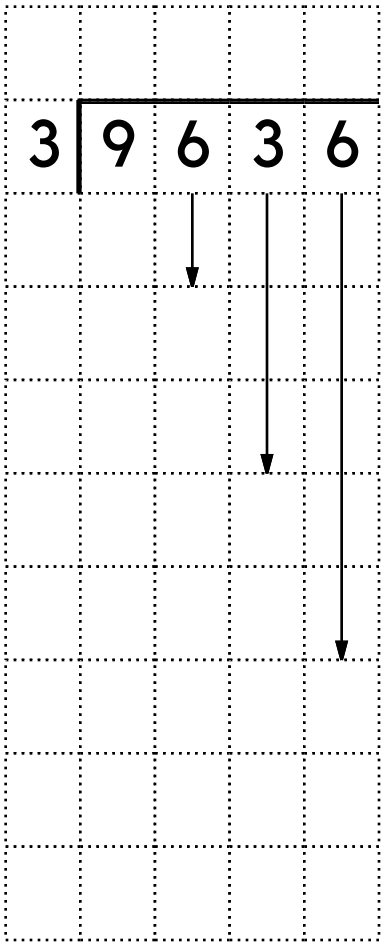






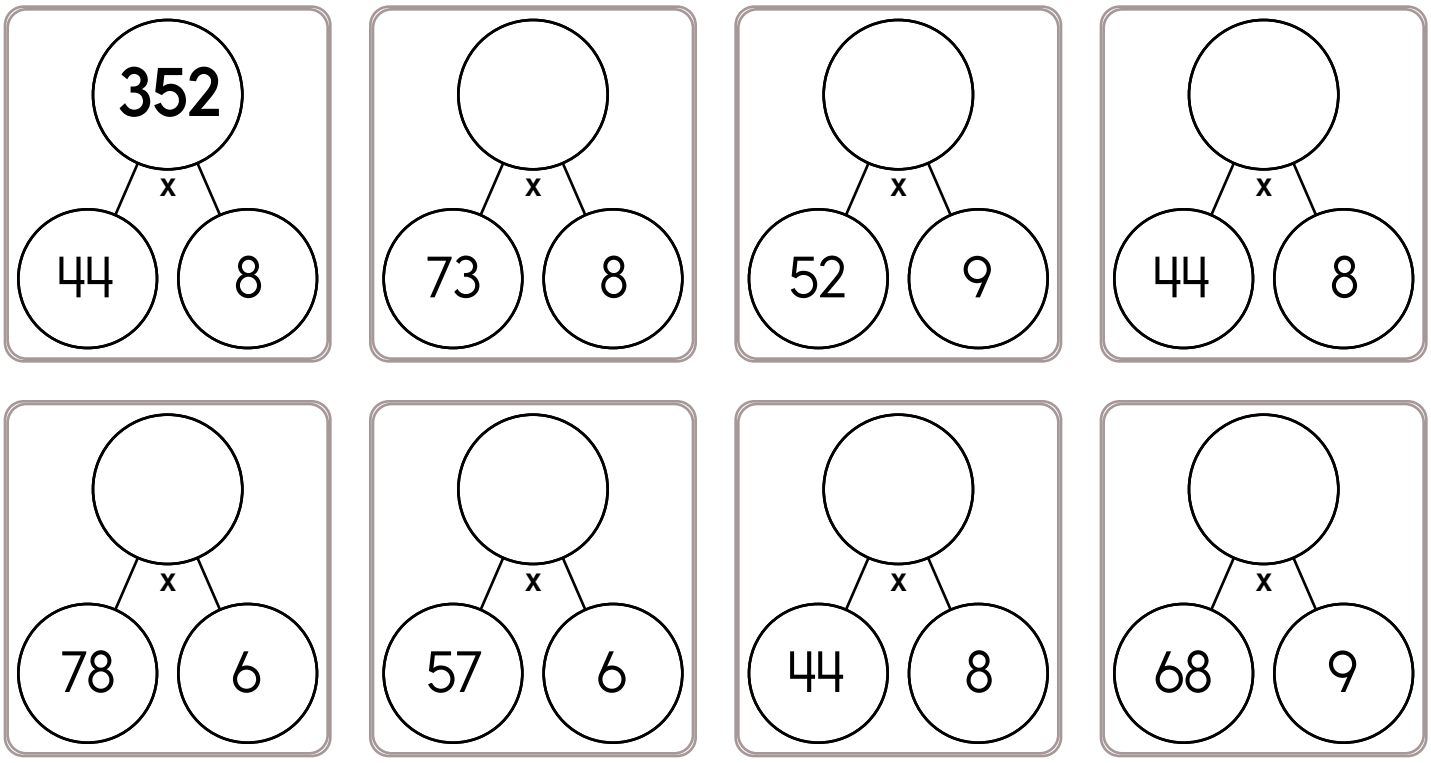






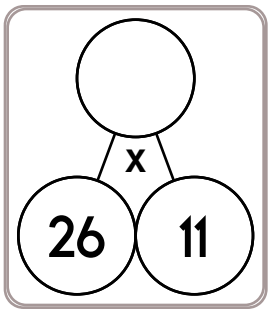
Name: _____

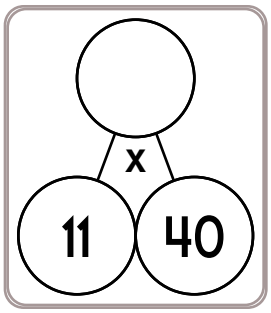
805 − 32	656 − 80	832 − 25	413 − 18	565 − 82
961 − 55	833 − 21	292 − 19	382 − 73	948 − 66

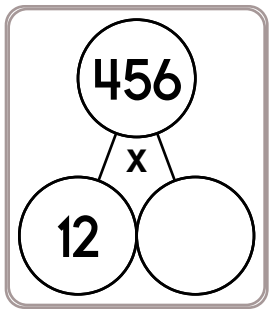


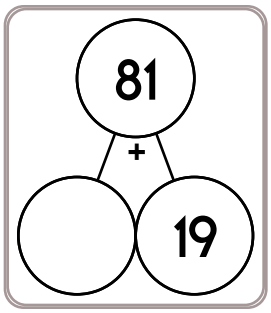
___ x 8 = 24	___ x 6 = 18	8 x ___ = 64
9 x ___ = 63	___ x 2 = 8	3 x ___ = 21
___ x 4 = 12	4 x ___ = 20	8 x ___ = 40
6 x ___ = 36	___ x 7 = 49	___ x 5 = 30

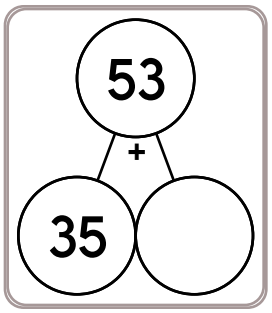
Name: _____

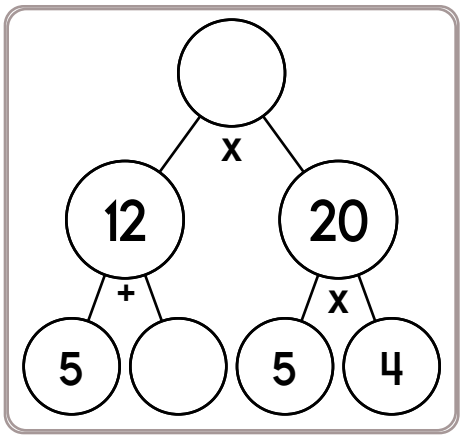


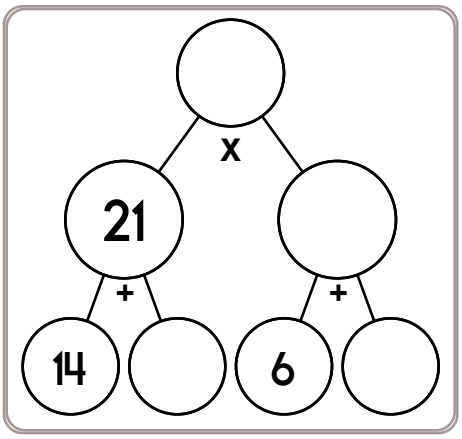


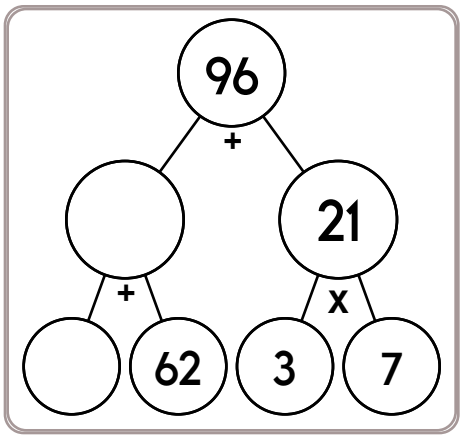


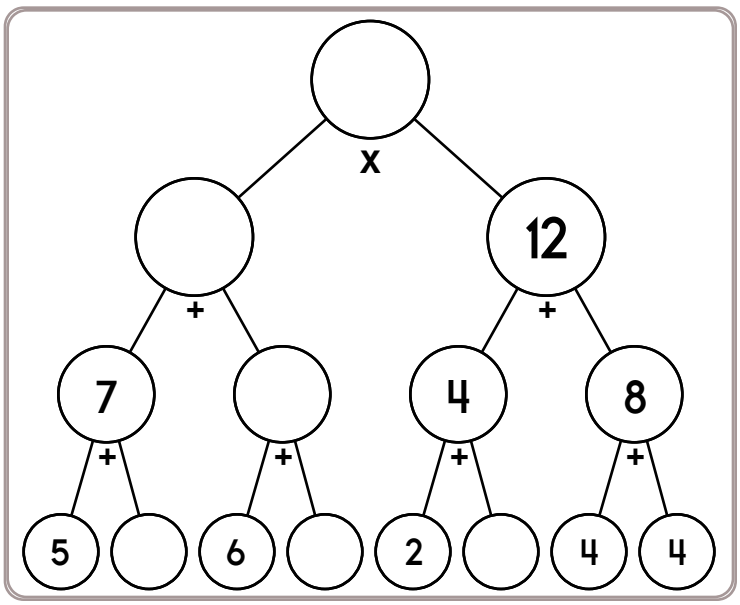


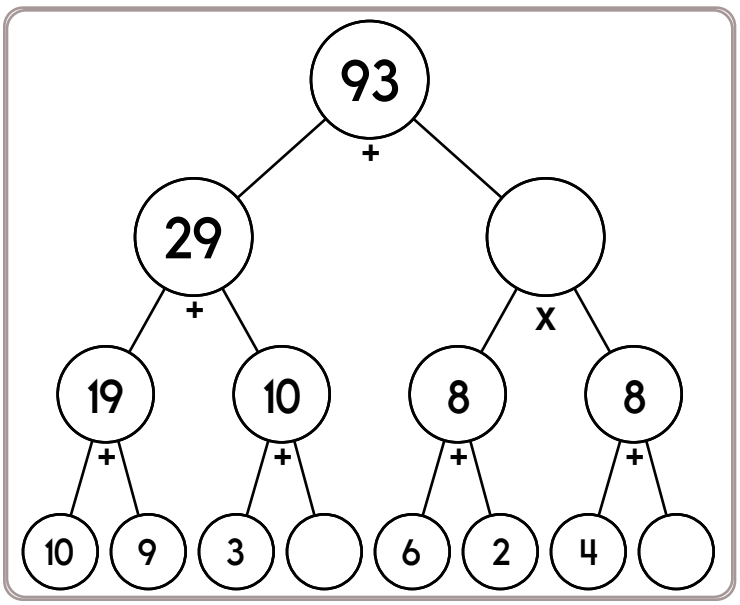












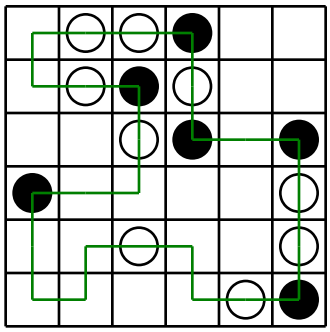
What is the area of a rectangle with sides 2 cm and 7 cm?

It was 4 degrees below zero in the morning. By afternoon the temperature rose 23 degrees. How warm was it?

How many minutes is it from 7:00 a.m. to 10:35 a.m.?

word root **inter** can mean **among or between** **interceptive, interrupt, intervene**

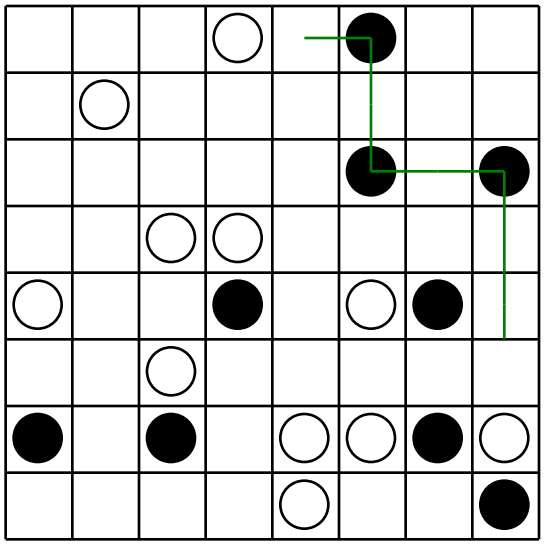
Name: _____



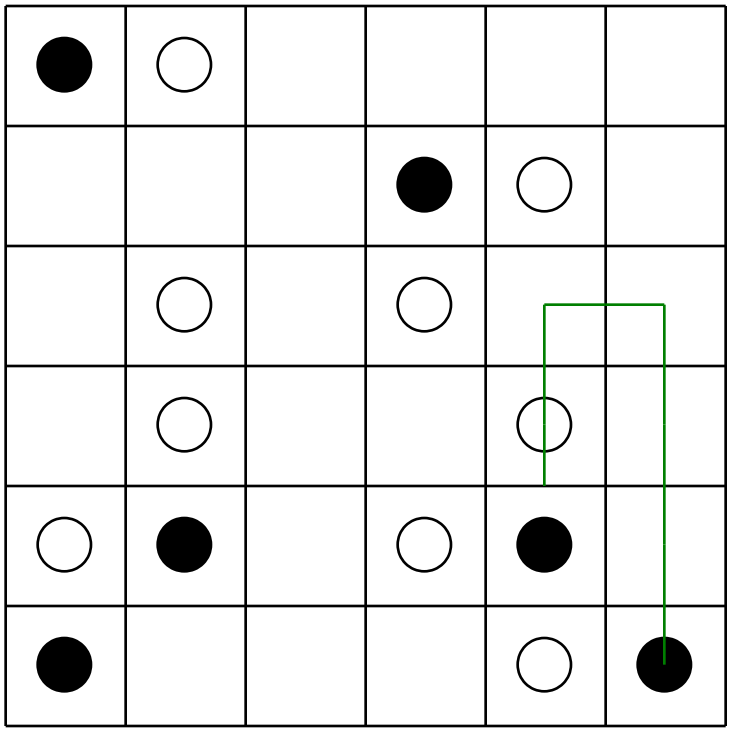
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



1 cm = 10 mm

23 cm = _____ mm

(5 + 4) + 4 = _____

$$\begin{array}{r} 921 \\ -\ 804 \\ \hline \end{array}$$

Circle the addition property for 70 + 41 = 41 + 70.

commutative property

associative property

Write a letter that has a line of symmetry.

_____

Name: _____

x 9 12	x 9 9	x 8 12	x 10 4
x 9 9	x 11 5	x 10 4	x 4 12

9 x 2 =	7 x 5 =	6 x 5 =
5 x 9 =	5 x 2 =	2 x 9 =
7 x 2 =	8 x 3 =	2 x 6 =
9 x 7 =	5 x 5 =	9 x 3 =

___ x 4 = 128	44 x ___ = 132	___ x 2 = 164
52 x ___ = 208	60 x ___ = 480	___ x 8 = 296
28 x ___ = 196	___ x 2 = 56	___ x 3 = 147
31 x ___ = 248	___ x 7 = 434	27 x ___ = 162

Name: _____

Kevin's grandmother is a nurse at her school. She is paid by the hour and only works 24 hours per week. If she makes $22.25 per hour, how much does she earn in two weeks?

All the theaters at the Midvale Movies 12 showed "The Lion King" on Just Because Day. Each theater seats 141 people. How many people in all could be seated at one time in the 12 theaters?

Put these numbers in order from smallest to largest.

8.132 8.13 8.12 8.21

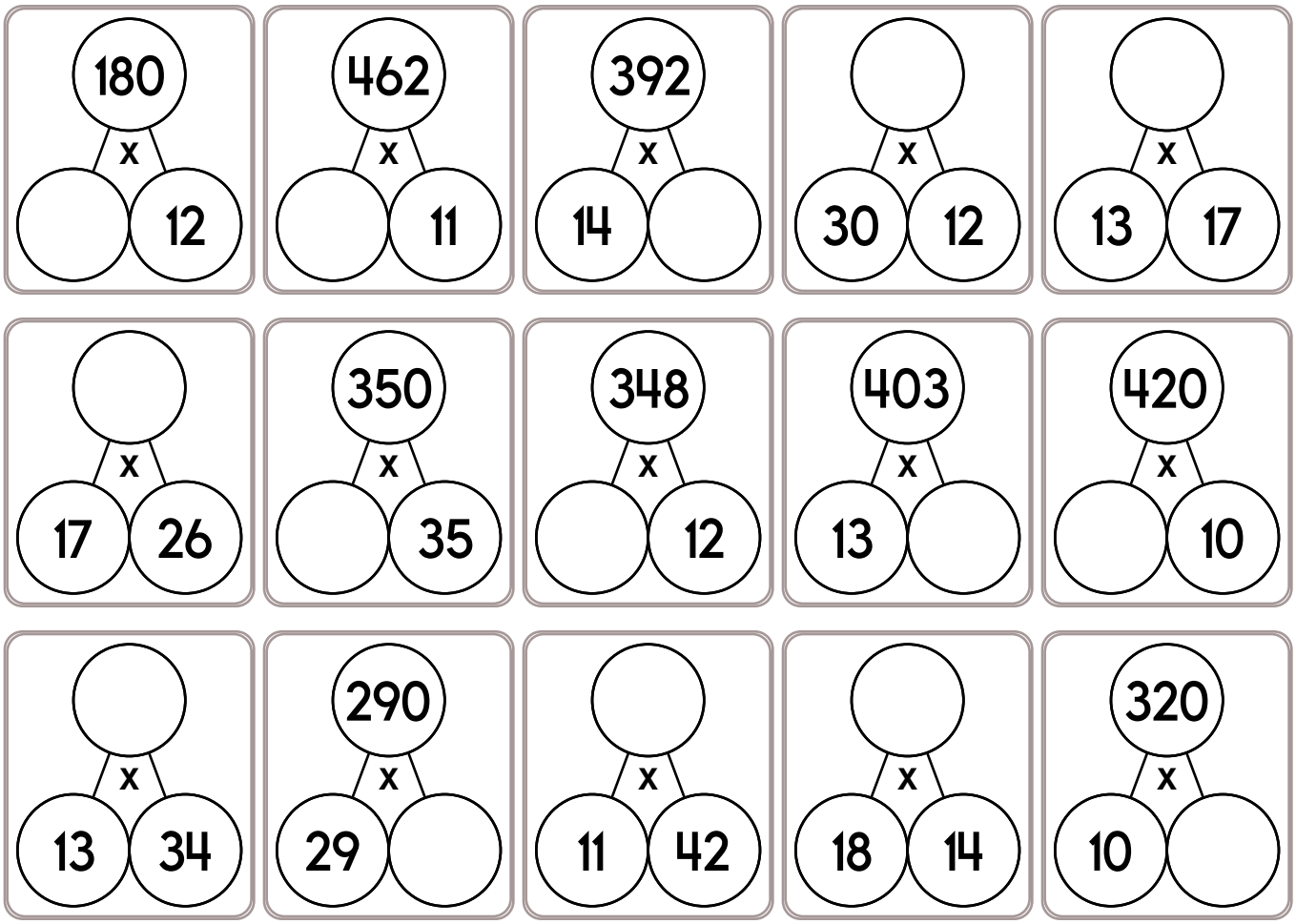
Which number is the smallest? Which number is the largest?

What is the difference between the largest and smallest numbers?

7.970 7.97 8.07 8.02 8.007

word root **sens** can mean **feel** **extrasensory, sensational**

Name: _____



$9\overline{)8955}$

Divide and write remainder.

$5\overline{)128}$

Divide and write remainder.

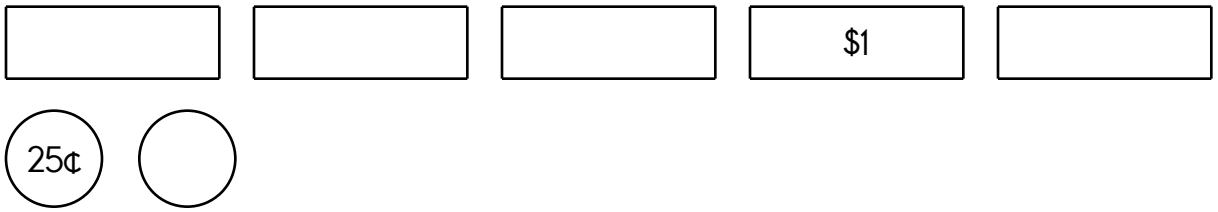
$45\overline{)9360}$

Divide and write remainder.

Name: _____

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

Use the fewest bills and coins to make $37.26.



Use the fewest bills and coins to make $31.22.

Use the fewest bills and coins to make $24.38.

Use the fewest bills and coins to make $41.38.

$$\begin{array}{r} 72 \\ -\ 19 \\ \hline \end{array}$$

For 6,436,074,348,736,448, write the digit that is in the ten thousands place.

_____

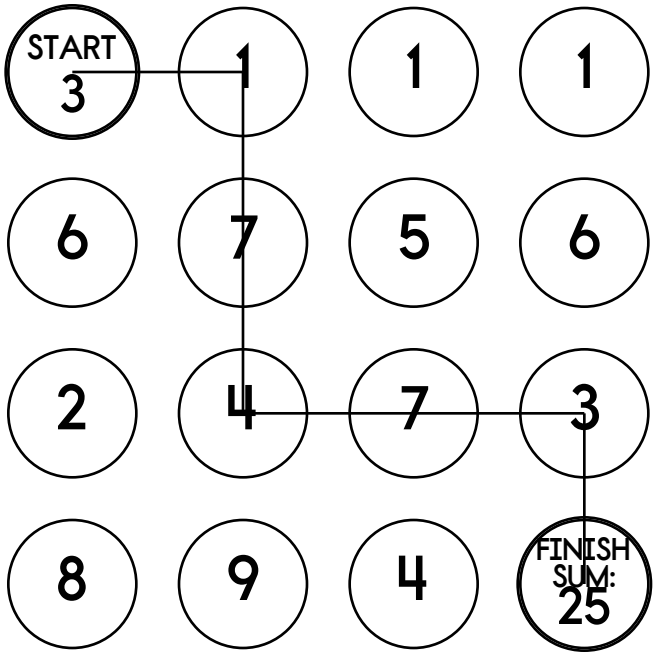
15 kg = _____ g

$$\begin{array}{r} 48 \\ +\ 43 \\ \hline \end{array}$$

word root **com** can mean **together or with** **commemorate, commotion, compose**

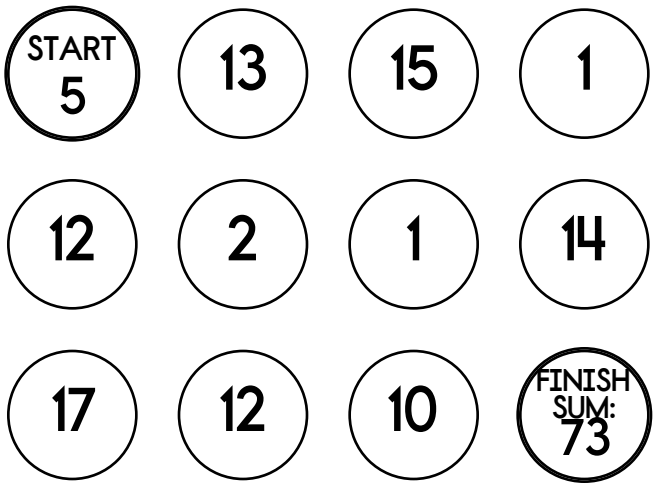
Name: _____

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



3 + 1 + 7 + 4 + 7 + 3 =

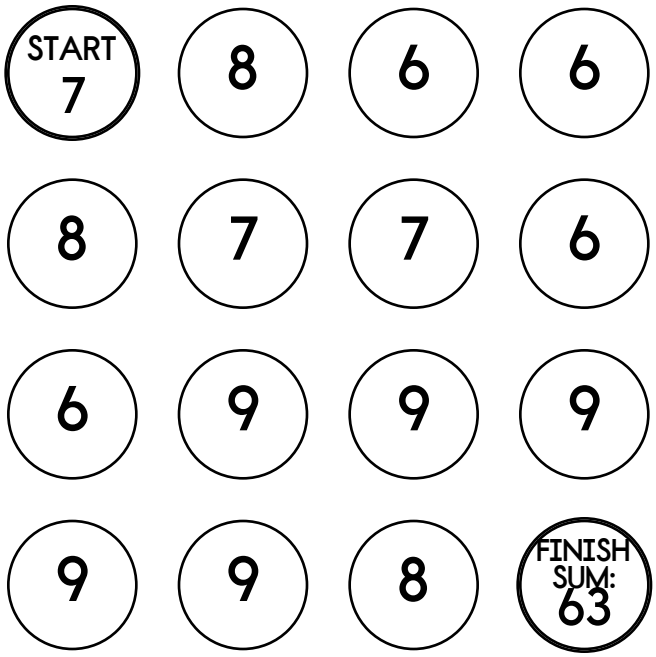
25



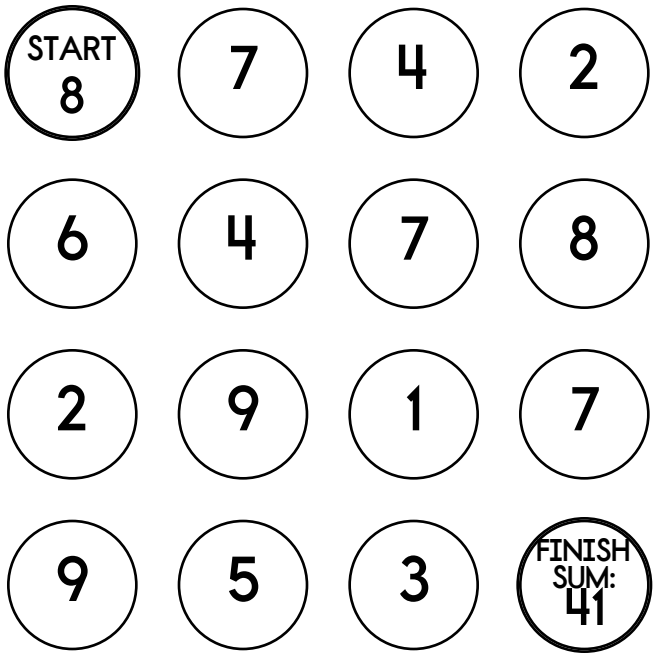
5 + 13 + 15 + _____ + _____ +

_____ + _____ + _____ + _____ =

73



Did you find a path? Write the equation.



8 + ___ + ___ + ___ + ___ + ___ +

___ + ___ = 41

Name: _____

Mrs. Thompson was a volunteer at the Angel Thrift Shop. She worked every morning from 9:30 a.m. until 1:30 p.m. How many hours did she work in 11 days?

Mrs. Allen gave each of her 3 children an equal amount of money to spend at the beach. She gave them $12.21 in all. How much money did each child get?

Mr. King bought 6 rolls of masking tape. There were 30 yards of tape in each roll. He used 81 yards of the tape. How many yards of tape were left?

Can 387 be evenly divided by 3? Circle:
387 is evenly divisible by 3
387 is NOT evenly divisible by 3

Can 770 be evenly divided by 7? Circle:
770 is evenly divisible by 7
770 is NOT evenly divisible by 7

Which is the smallest?

33.9 ÷ 6.4 33.9 ÷ 6.6 33.9 ÷ 6.5

$$\begin{array}{r} 212 \\ +\ 492 \\ \hline \end{array}$$

80 ÷ 8 =

Name: _____

The vowels are missing in the word search.
Fill in the missing vowels and circle the words.

S			Z				Y	F	T
S	P	S		G	T	D			
	R	G	M				C	R	M
B		R		L	L		T		P
T	S	E	S	D		T		V	
R		A	S		Z	R	V		R
	R	T	T	B		N		R	
C	V	E	B		N	C	H		S
T		R	M	D		S		R	
	G	G	R		S	S		V	

ACTIVE • GOLD • MISS
PRESERVE • DESIRE • FOREVER
GREATER • UTILIZE • INCHES
AGGRESSIVE • IDEA • SEIZE
SUBTRACT • TEMPER

How many pounds are in 64 ounces?

_____ pounds

Write the missing family fact.

11 x 13 = 143
13 x 11 = 143
143 ÷ 13 = 11

_____

Circle the smallest number:

693,058,073,415
7,124
69,281,053,264
79,836

Gavin invented a robotic bug. The bug can crawl three centimeters in fifteen seconds. How long would it take the bug to crawl twenty-four centimeters?

Write this as a number in standard form. Use a comma in your number.

eight hundred ninety-five thousand, six hundred fifty-seven

_____

Circle the greatest number:

6,483,597 8,179
102,758,140,623 62,354

Name: _____

If you multiply 344 x 304, you will have a number that is how much bigger than 172 x 304?

It will be three times as big.
It will be seven times as big.
It will be twice as big.
It will be four times as big.
It will be eight times as big.
It will be nine times as big.

5 x 9 =

April is making up her own calendar. The first month of her weird calendar is called Affy. To make matters worse, she is giving Affy a total of thirty-six days. What is the least number of Saturdays that can occur during Affy? Show the month of Affy.

6 x 7 =

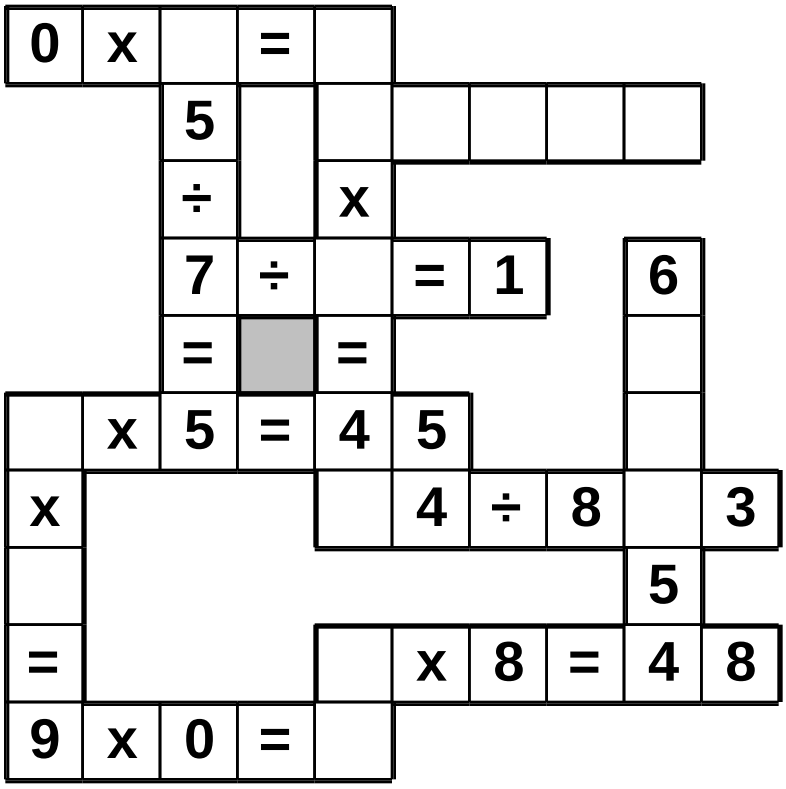
Can 478 be evenly divided by 6? Circle:
478 is evenly divisible by 6
478 is NOT evenly divisible by 6

40 ÷ 5 =

Name: _____

3 • 0 • 6 • ÷ • 3 • = • 2 • 7 • x • 9 • 9 • 2 • = • 1 • 6 • 0

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



Amanda is getting messy. She has made a 1' x 5' x 2' cube made out of clay blocks. She wants her art project to have at least a surface area of 17 square feet. Does she need to add more clay?

How many digits are in the current year?

_____

110 ÷ 10 =

Name: _____

It snowed yesterday in Minneapolis, Paris, Boston, and Berlin. Each city had a different amount of snow accumulation. Figure out how much it snowed in each city.

Assume 1 inch = 2.54 centimeters.
(numbers in clues are rounded to the nearest hundredth)

1. Paris had three times more snow than Berlin.
2. Minneapolis and Paris had a total accumulation of fifty-two and four tenths centimeters.
3. Minneapolis and Berlin had a total accumulation of thirteen and fifty-four hundredths inches.
4. Boston and Paris had a total accumulation of fifty-seven and forty-eight hundredths centimeters.

It snowed _____ in Minneapolis.

It snowed _____ in Paris.

It snowed _____ in Boston.

It snowed _____ in Berlin.

List five of the smallest whole numbers that are greater than 17, are multiples of 3, and are not multiples of 9.

In the number 7,969,430, the digit 0 is in what place?

_____

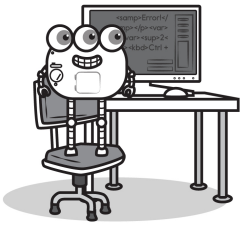
In each pair, circle the word that is spelled correctly.

lettuce, lettice
manage, manaje
noise, noyse

Write 9,289 in words.

_____

Name: _____



Robot was given a math problem to solve.

Jack ate 2 hamburgers with mustard. Then he ate some plain hamburgers. He ate 4 hamburgers in all. How many plain hamburgers did he eat?

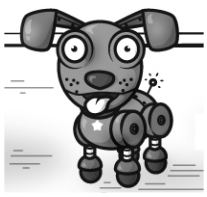
Robot wrote this program in Python to solve it.

```
hamburgers_with_mustard = 2
total_hamburgers = 4

plain_hamburgers = total_hamburgers - hamburgers_with_mustard
print(plain_hamburgers)
```

Robot's program will print the answer to the math problem.
What will the program print out? Fill in the blanks.

___



Hints and Questions

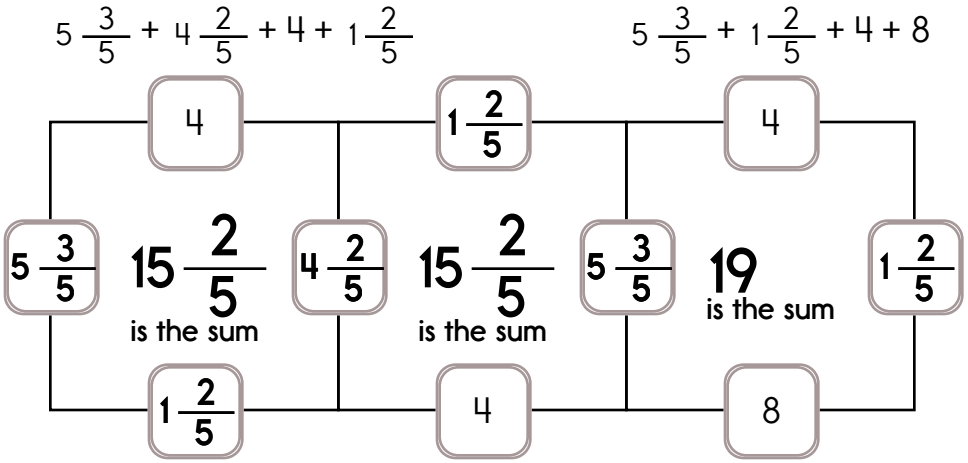
After Robot's program is done, the variable hamburgers_with_mustard will have a value in it. What value does it have?

In the program, "hamburgers_with_mustard" is called a variable.
It is used to store a value. Name two other variables used in the program.

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

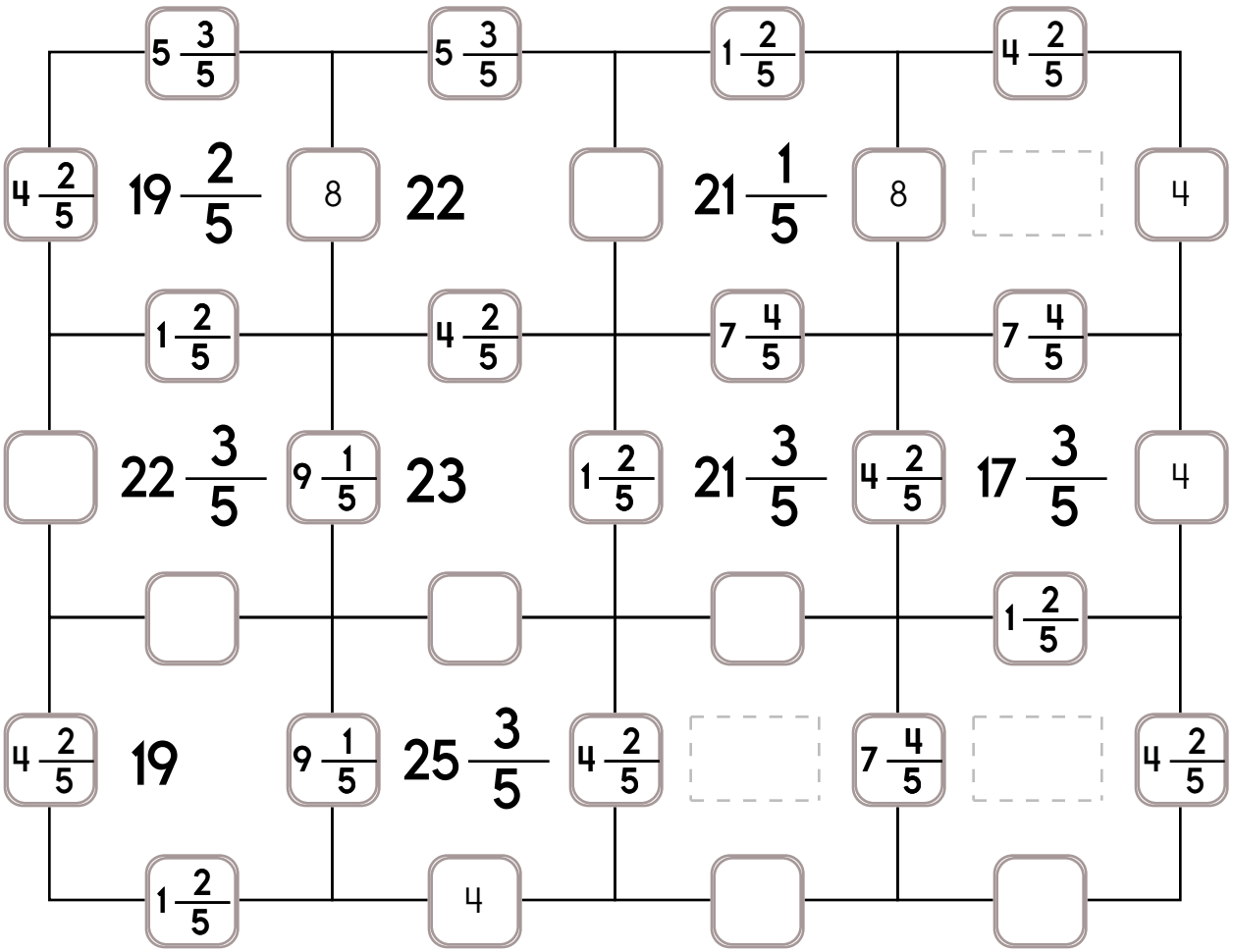
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $7\frac{4}{5}$, $9\frac{1}{5}$, or $5\frac{3}{5}$.

The other three numbers have to all be DIFFERENT and must be from these: $1\frac{2}{5}$, 4, 8, or $4\frac{2}{5}$.

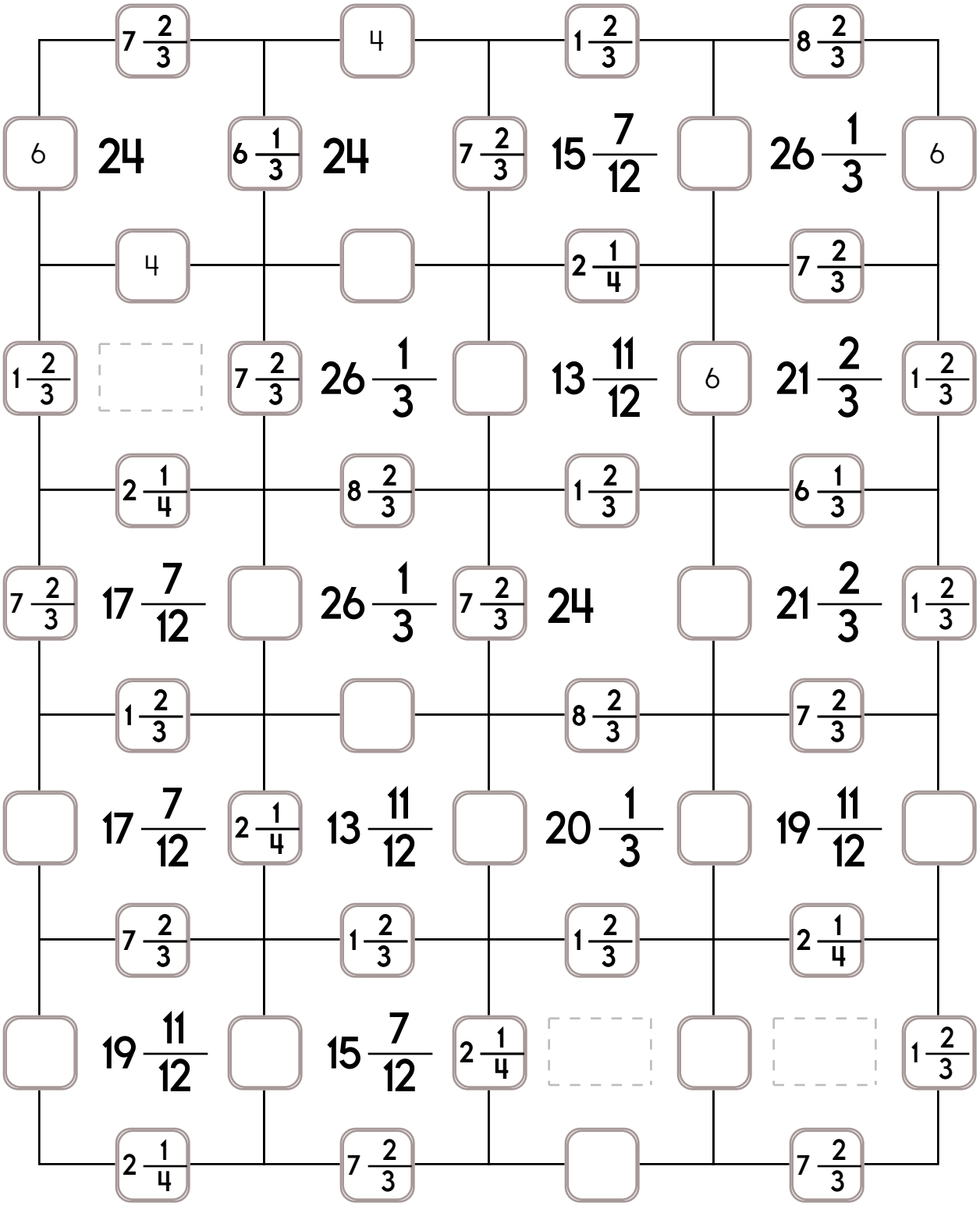


Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $6\frac{1}{3}$, $2\frac{1}{4}$, or $8\frac{2}{3}$.

The other three numbers have to all be DIFFERENT and must be from these: 6, $1\frac{2}{3}$, 4, or $7\frac{2}{3}$.



Name: _____

Peter, Amy, and Connor are playing a game together. They first each entered their age. The game replied: "I added all of your ages together. The sum is 37. Do you know what the sum of your ages will be 4 years from now?"

Ava and three of her friends do yard work on the weekends. This weekend, they made $103 together. Ava has no coins, so she first splits the money evenly in dollars. After splitting it evenly, she still has some money left and gives her brother that remainder. How much did she give her brother?

Two numbers have a sum of 81. The difference between the two numbers is 21. They are both positive whole numbers. What are the numbers?

Fabulous Cupcakes offers 3 free cupcakes for every 10 purchased. Each cupcake costs $3. If you need at least 19 cupcakes for a party, then how much will you pay?

Name: _____

What is the greatest common factor of 9, 27, and 24?

y + 38 = 48

14 - n = 2

What is the least common multiple of 9 and 6?

What is the greatest common factor of 3 and 18?

What is the greatest common factor of 4 and 6?

7 + ___ = 19

What is the missing number?

9 + x = 30

What is the value of x?

Write all the factors for the number 12.

___ - 6 = 33

What is the missing number?

x - 4 = 11

What is the value of x?

Find 34% of 17.

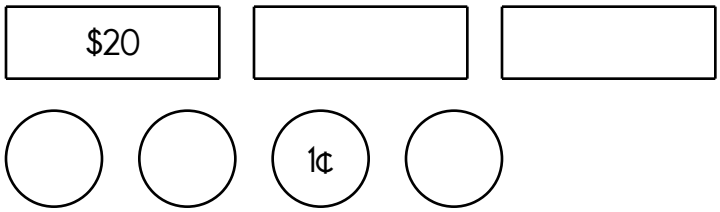
9 is what % of 16?

Change to a percent.
0.68

Name: _____

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

Use the fewest bills and coins to make $22.13.



Use the fewest bills and coins to make $37.57.

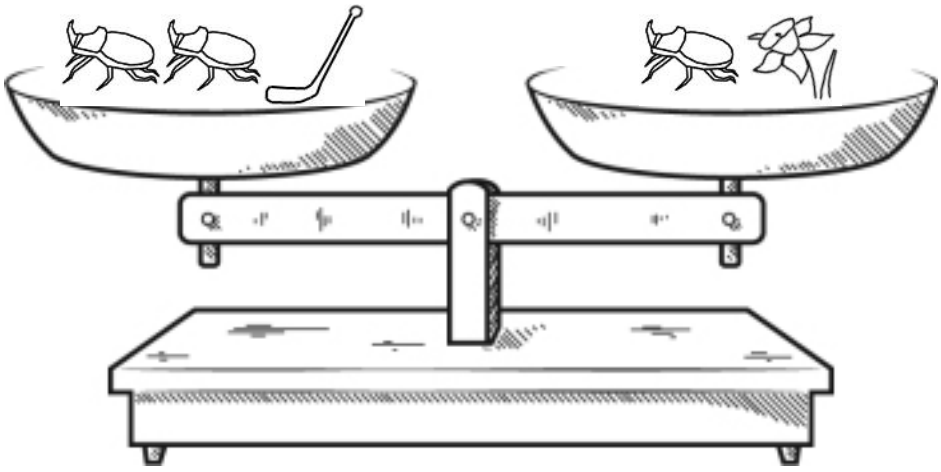
Use the fewest bills and coins to make $37.44.

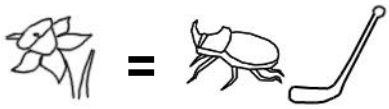
Use the fewest bills and coins to make $25.27.

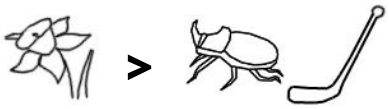
Circle the digit in the hundredths place.

491.678

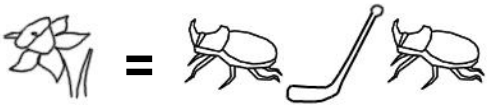
Name: _____



 ☐ True ☐ False

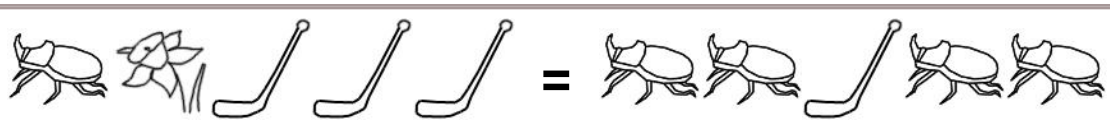
 ☐ True ☐ False

☐ True ☐ False

 ☐ True ☐ False

☐ True ☐ False

☐ True ☐ False

 ☐ True ☐ False

Did you find that two are true? If not, look again!

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

You should only mark TRUE if you are absolutely sure it is correct!

word root **string** can mean **bind** **stringy, stringent**

Name: _____

Draw 3 pictures in the correct order. Use each of the clues so you will know what to draw.

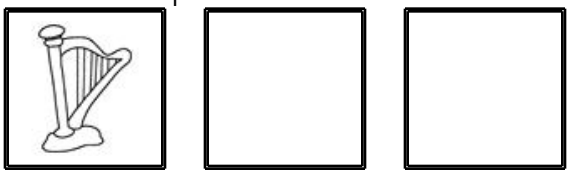
Draw 1 of these 3 pictures.
The picture is NOT in the correct spot.

Draw 1 of these 3 pictures.
The picture IS in the correct spot.

Draw 1 of these 3 pictures.
The picture is NOT in the correct spot.

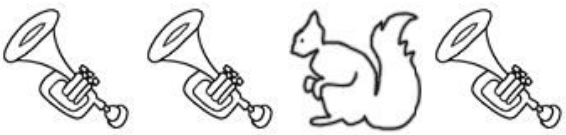
Draw 1 of these 3 pictures.
The picture IS in the correct spot.

Draw the 3 pictures in the correct order:



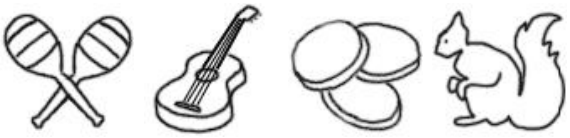
Draw 4 pictures in the correct order. Use each of the clues so you will know what to draw.

Draw 1 of these 4 pictures.
The picture IS in the correct spot.

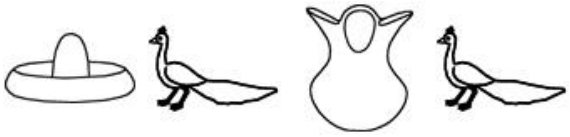


Draw 1 of these 4 pictures.
The picture IS in the correct spot.

Draw 1 of these 4 pictures.
The picture is NOT in the correct spot.



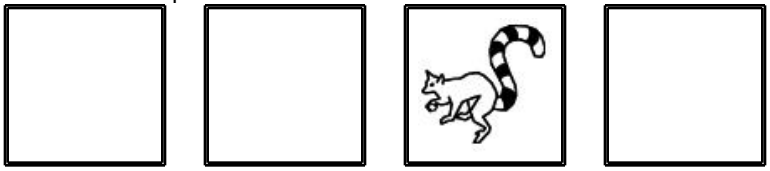
Draw 1 of these 4 pictures.
The picture is NOT in the correct spot.



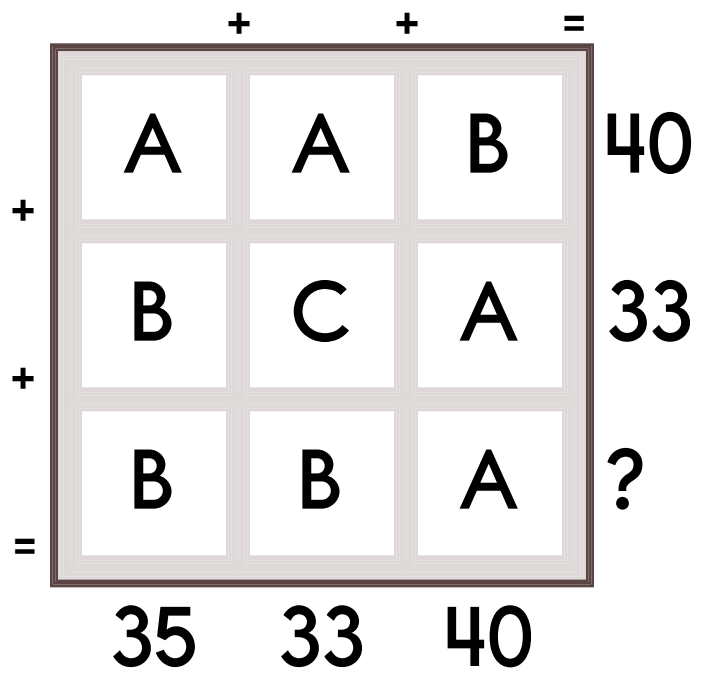
Draw 1 of these 4 pictures.
The picture is NOT in the correct spot.

Draw 1 of these 4 pictures.
The picture IS in the correct spot.

Draw the 4 pictures in the correct order:



Name: _____



Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

A + C + B = 33 B + __ + A = 40 __ + __ + __ = 33

__ + __ + __ = 35 __ + __ + __ = 40

Additional hints:

A = B + 5 B < 12

Show Work:

Solve:

? = __

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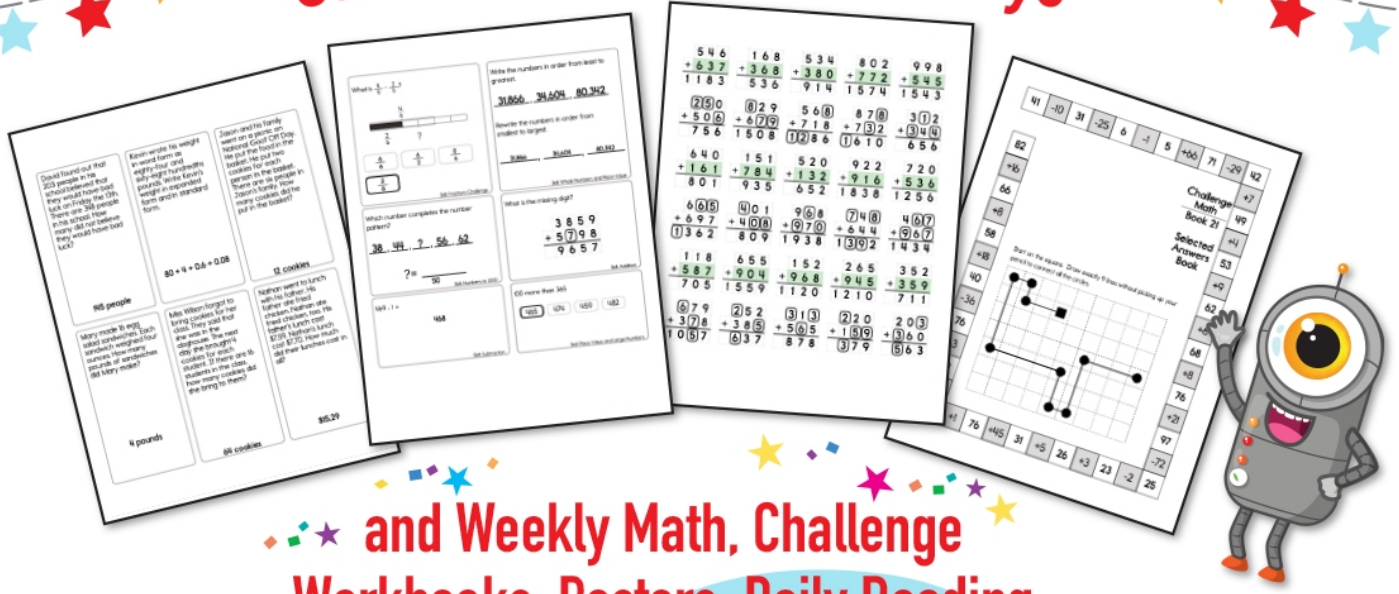

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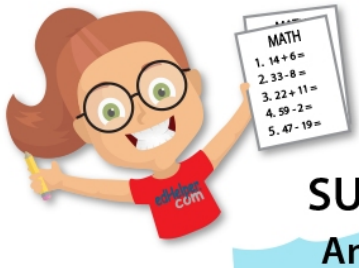

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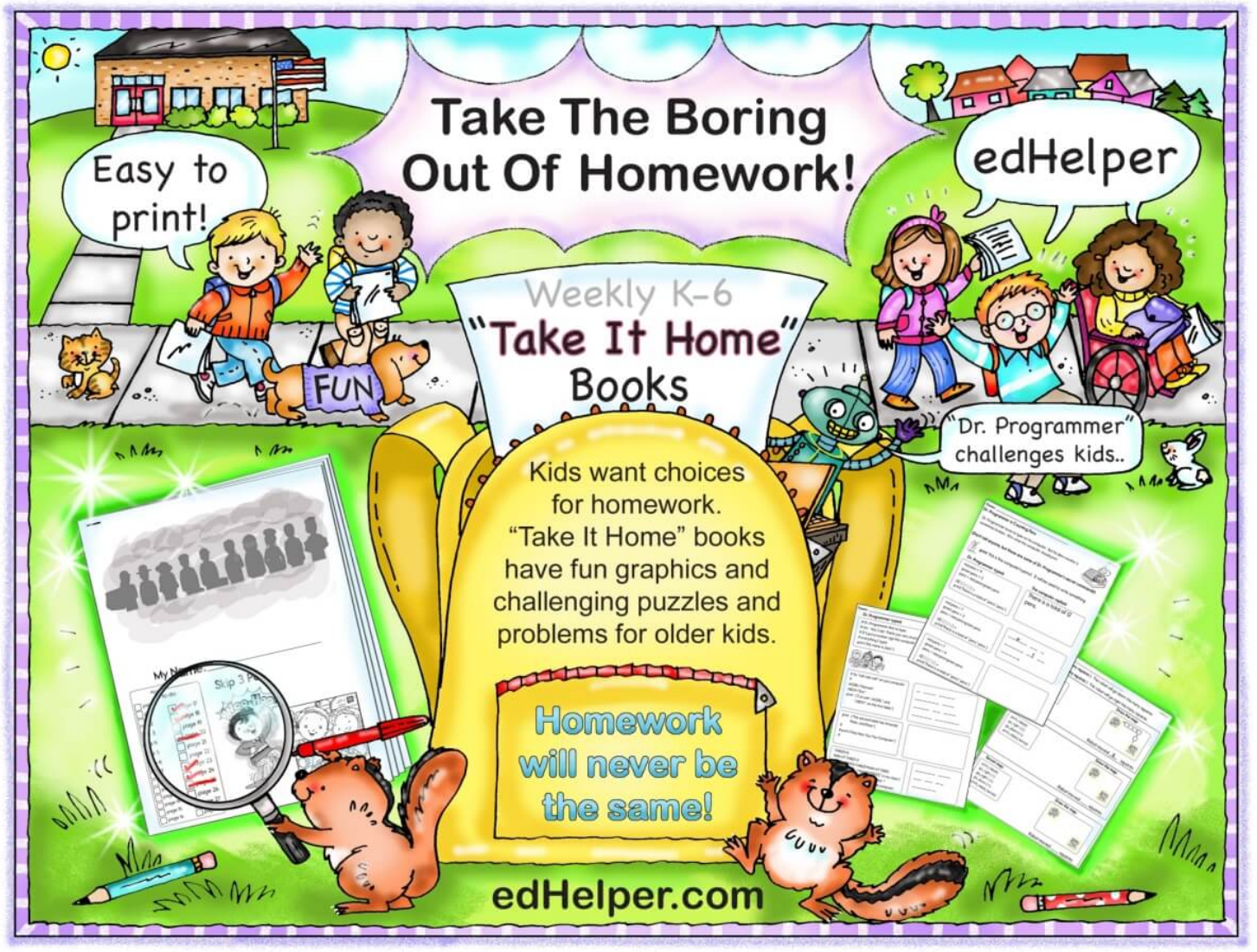
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