Name: _____

Complete each pattern. Write what the rule is.

176.5	184	191.5
199	206.5	
221.5	229	

Complete each pattern. Write what the rule is.

225, 205, _____, _____, 149, 133, 117, 103,

89, 77, 65, 55, 45, 37, 29

_____, _____, 246, _____, 206, 188, 170, 154, 138,

124, 110, 98, 86, 76, 66, 58, 50

282, 260, 238, _____, _____, _____, _____, 146, 130,

116, 102, 90, 78, 68, 58, 50, 42

Name: _____

If the following numbers were in order from least to greatest, what is the middle number?
700, 525, 575, 200, 350, 500, and 275

A) 350
B) 575
C) 700
D) 500

392 ÷ 7 =

A) 71
B) 46
C) 12
D) 56

0.369 - 0.231 =

A) 0.138
B) 0.438
C) 0.171
D) None of the above

Which letter has a line of symmetry?

A) G
B) P
C) E
D) Q

0.9 - 0.9 =

A) 7
B) 0
C) 5
D) None of the above

If you wanted to estimate the sum of 6,937 and 1,755, what would your answer be (round by thousands)?

A) 14000
B) 9000
C) 10000
D) 9100

Name: _____

This fraction is not in simplest form. To reduce this fraction to simplest form you need to divide both the numerator and denominator of this fraction by fourteen. If you multiply the numerator by 2, the numerator would be 28. What is this fraction?

In right triangle BCD, $\angle B$ is the right angle, and $\angle C$ is 32° less than $\angle D$.
What is the measure of all three angles?

Round 18,308 to the nearest thousand.

Write $\frac{6}{9}$ in lowest terms.

Pick the family fact that is missing.

126 ÷ 18 = 7
7 x 18 = 126
126 ÷ 7 = 18

Name: _____

$7.7197 \times 10^3 =$

8, 10, 12, 14, 16, 18, 20, 22,

_____, 26

0.9 x 0.3

|-7| - n = -1

n =

5 x 65 ÷ 5 - 90 ÷ 9 =

$\frac{5}{30} \div \frac{9}{10} =$

G, H, H, I, I, J, J, _____,

K, L

A circle graph has four sections. Only three sections are labeled. The labels are 23%, 9%, and 16%. What should the missing section be?

4 + 132 ÷ 11

90 ÷ 9 - 7

p - $54 = $21
What is the value of p?

$2 \times 2 \times 2 \times 2 \times 2 = x^5$

What is the value of x?

If j = -7 and a = 20 then what is the value of g?
7j + 10a + 4a = g

t - 8 + t = 26
What is the value of t?

Rewrite $\frac{19}{50}$ as a decimal.

Name: _____

Sarah is using a map scale to find the distance to Atlantic Beach. The map scale is 1 inch = 50 miles. On the map, it is $2\frac{1}{2}$ inches from her home to Atlantic Beach. How many miles is it?

Mr. Allen pays 13 men $9.30 per hour to help him harvest his corn crop. Last week the men worked 36.4 hours each. How much did Mr. Allen pay the 13 men?

53,771 + 35,134 = _____

15 ÷ 5 = _____

33 ÷ 3 = _____

$$\begin{array}{r} 297 \\ +\ 353 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ -\ 26 \\ \hline \end{array}$$

April told Hannah that she multiplied two consecutive whole numbers and the answer is 252. Hannah doesn't believe that is possible. She thinks Hannah must have multiplied wrong. Who is correct?

Holly rolls a die. What is the chance of her rolling a 6?

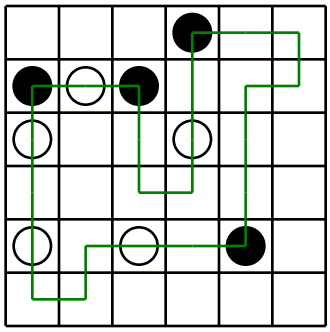
_____

21 ÷ 3 =

$$\begin{array}{r} 437 \\ -\ 344 \\ \hline \end{array}$$

4 x 11 = _____

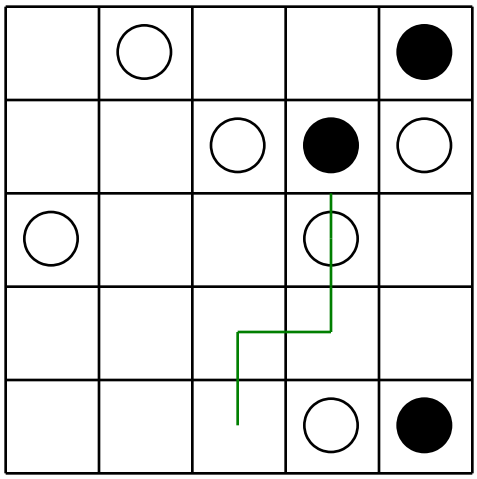
Name: _____



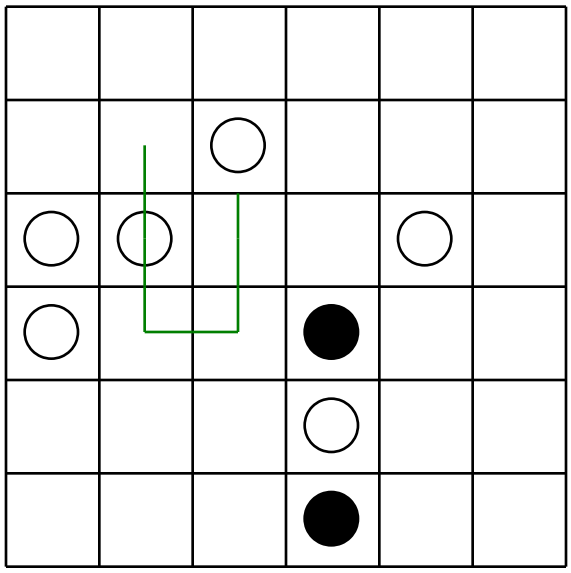
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



How many kilograms are in 3,000 grams?

_____ kilograms

Circle the greatest number:

69,374,120

5,813

69,130

698,502,744

What number is halfway between 18 and 27?

1 km = 1,000 m

25 km = _____ m

12 x 3 = _____

3 x 8 = _____

7,576 + 7,446 = _____

11 x 3 = _____

10 x 8 =

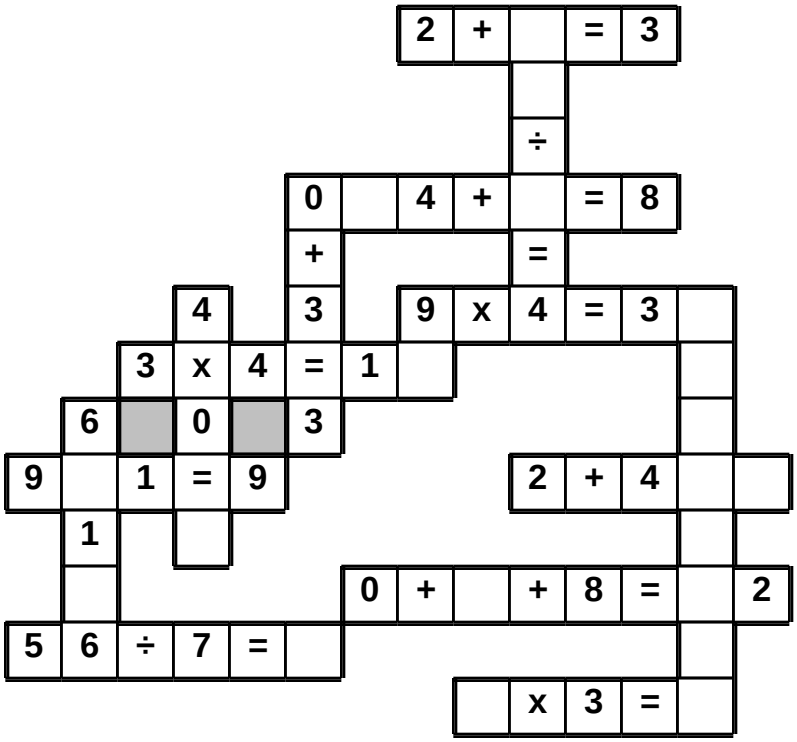
Name: _____

6 x 7 = _____	The boys in your class each were given a ticket with a number on it. The numbers given out were: 10, 9, 27, 16, 11, 30, and 36. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 3?	2 8 + 3 1	4 ÷ 2 = _____
Wendy is going to roll two dice. What is the chance that her total will be either 6 or higher on her first roll?		762 - 367 = _____ 10 x 4 = _____	
In the number 9,220,870, the digit 8 is in what place? _____		96 ÷ 12 = _____	7 x 11 =
Two fancy pens cost $4. At that rate, what is the cost of 4 fancy pens?		14 lb = _____ oz	81 ÷ 9 = _____ 72 ÷ 9 =
Circle the digit in the tenths place. 899.65		63 ÷ 7 = _____	
66,234 - 57,666 = _____		66 ÷ 6 = _____	8 ÷ 4 = _____

Name: _____

1 • 6 • + • 4 • 6 • 2 • - • 4 • x • = • 6 • 0 • 1 • = • 4 • 1 • 8 • - • 3 • 9

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



10 x 11 = _____

Jessica and Ava are playing a number game.
Jessica says 49. Ava replies that the answer is 7.
Jessica says 4. Ava replies that the answer is 2.
Jessica says 64. Ava replies that the answer is 8.
Jessica says 25. Ava is thinking. What number should Ava reply with?

8 x 11 = _____

Circle the addition property for 61 + 107 = 107 + 61.

commutative property

associative property

10 x 5 = _____

word root **chrom** can mean **color** **chrome, monochrome**

Name: _____

The EdHelper Clothes store at the mall has four employees (Rachel, Rebecca, Abigail, and Christina). This week they worked 46, 24, 40, and 50 hours. The employees at EdHelper Clothes are paid by the hour. Each employee is paid at a different hourly rate ($12.46, $12.35, $12.79, and $12.14).

Figure out how many hours each employee worked this week. Also, determine each employee's hourly pay.

1. Christina earned $573.16 this week.
2. Christina worked less than fifty hours this week.
3. The employee that worked forty hours this week, worked fifty-three hours last week. Last week, the employee earned $160.55 more than the amount the employee earned this week.
4. This week, Abigail worked the least number of hours.
5. Abigail had the smallest paycheck for the week.
6. Rachel earned $639.50 this week.
7. Abigail earns the least amount of money per hour.
8. Rachel earns more than $12.46 per hour.

Rachel worked _____ hours and was paid _____ hourly.

Rebecca worked _____ hours and was paid _____ hourly.

Abigail worked _____ hours and was paid _____ hourly.

Christina worked _____ hours and was paid _____ hourly.

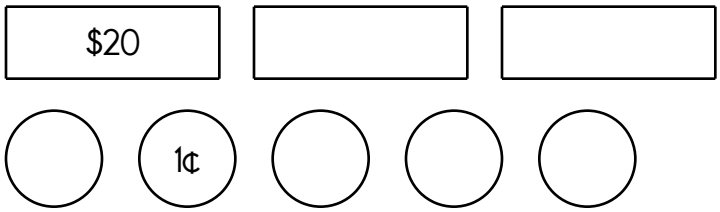
9 x 2 = _____	55 ÷ 5 = _____	For 738,945,460,385,945, write the digit that is in the ten thousands place. _____

word root **ous** can mean **full of** **loquacious, zealous**

Name: _____

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

Use the fewest bills and coins to make $35.14.



Use the fewest bills and coins to make $15.12.

Use the fewest bills and coins to make $52.27.

Use the fewest bills and coins to make $27.33.

40 ÷ 8 = _____

18 ÷ 3 =

Name: _____

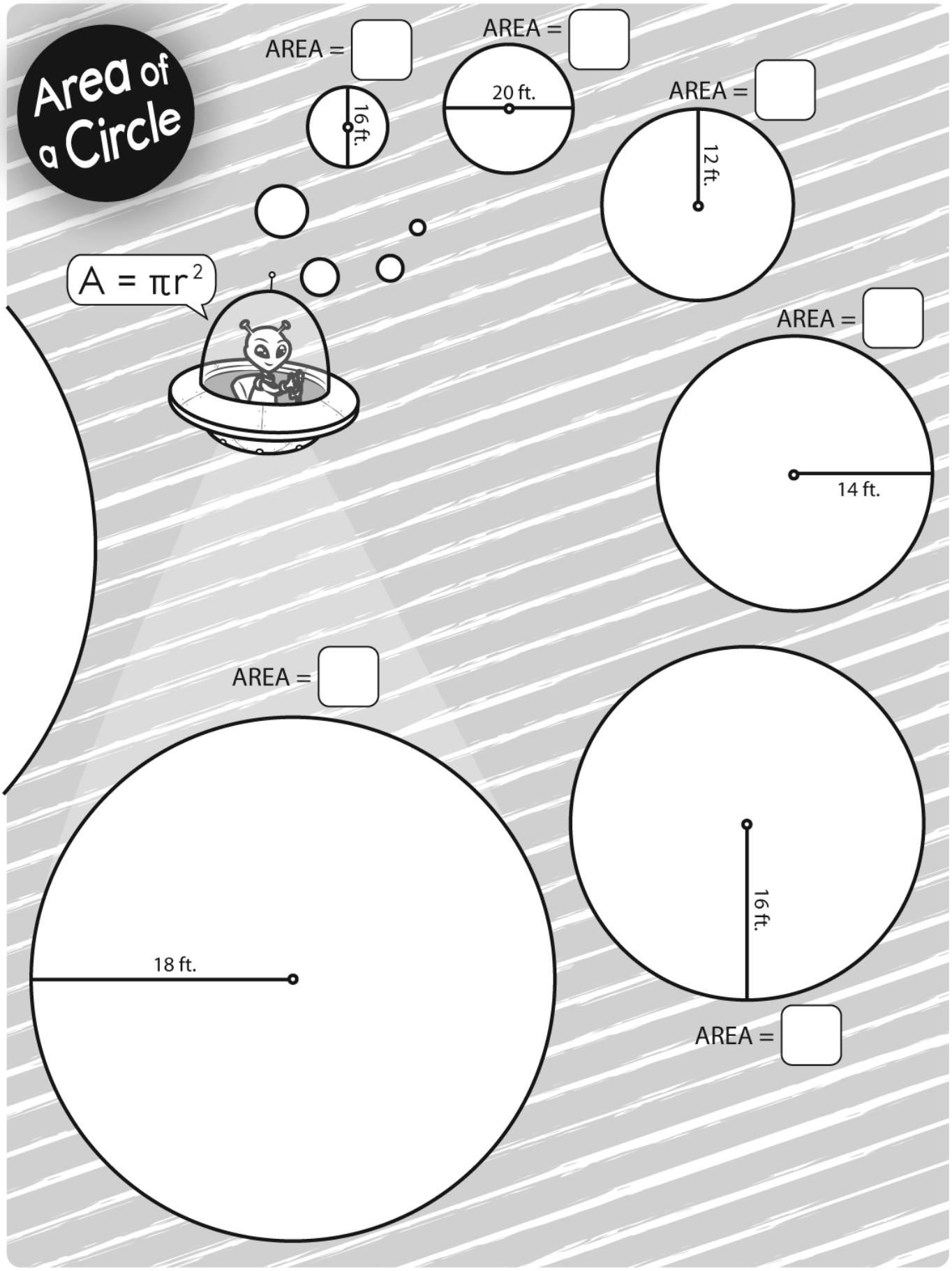
Of the approximately 127,000 insect species estimated to exist on Weird Island, most have yet to be discovered. In fact, just this year it was estimated that about one-fourth of the species presumed to exist on the island had been discovered. What is the ratio of discovered to undiscovered species?

Fowl Foods makes only chicken and turkey TV dinners. They put either mashed potatoes, french fries, or rice with each dinner. They also include a vegetable choice - broccoli, carrots and peas, or green beans. How many different dinners can they make?

Amanda is mapping an imaginary trip from point (-6, 6) to (5, 6). She liked (5, 6) so much that she was there for 12 days! Then she went to visit point (5, 4). Aren't you jealous? If 1 unit = 145 miles, how many total miles did she travel?

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 438,007,687 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

Name: _____


Area of a Circle
AREA =
16 ft.
AREA =
20 ft.
AREA =
12 ft.
A = πr²
AREA =
14 ft.
AREA =
18 ft.
16 ft.
AREA =

Name: _____

Write as a decimal.
Two tenths

Write the decimal in words.
43.37

Write as a decimal.
One hundred ninety-one thousandths

Write the decimal in words.
0.011

Write as a decimal.

$9\frac{45}{1000}$

Write the decimal in words.
0.8

Find the difference between 26.2 and 6.1.

$$\begin{array}{r} 15.551 \\ -\ 5.26 \\ \hline \end{array}$$

$$\begin{array}{r} 0.6 \\ 0.6 \\ +0.4 \\ \hline \end{array}$$

$5\overline{)25.5}$

$$\begin{array}{r} 8.2 \\ \times\ 3 \\ \hline \end{array}$$

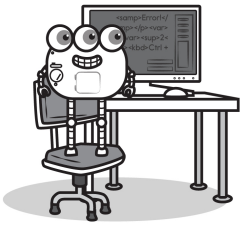
$$\begin{array}{r} 5.13 \\ \times\ 2 \\ \hline \end{array}$$

Name: _____

Simplify by combining like terms.

24w + 9w + 2 + 10w	16b - 9b
9k + 6k	22 + 21w - 3w - 2 - 5w - 3
20g - 3g - 3g	9a - 4a
16g + 8 + 7g - 2g + 4	6a + a
3k + 8k	14a - 3a + 8a
19g + 12g + 1 + 12g + 7	17w - 10w

Name: _____



Robot wrote this program to solve a math problem.

```
# Variables for distances
Midtown_to_Mayville = 83
Mayville_to_Justin_home = 12

# Calculate total distance
total_distance = Midtown_to_Mayville + Mayville_to_Justin_home

print("The total distance from Justin's home to Midtown is",
total_distance, "miles.")
```

What will the program print out? Fill in the blanks.

The total distance from Justin's home to Midtown is ____ ____ miles.

Wait! Robot forgot to write down the math problem.
Can you write your own word problem to explain Robot's computer code?

Name: _____

A printer can print 49 pages in 7 minutes. How many pages can the printer print in one minute?

How many pages can the printer print in one hour?

At City Laundromat they have 8 extra large-sized washers that can do 16 loads of laundry in 52 minutes.

How many loads of laundry can one machine do in 52 minutes?

Hint: The amount of time is the same. The only thing that changes is instead of eight machines there is only one. You will need to divide.

Jacob earned $330 this week. He worked 5 days from 9 a.m. to 5 p.m. each day. How much did he earn each day?

Emily is riding her scooter to soccer practice. The soccer field is 5,500 meters away from her house. How long will the ride take if she rides the scooter at a constant speed of 8,000 meters per hour (assuming no stops, etc.)?

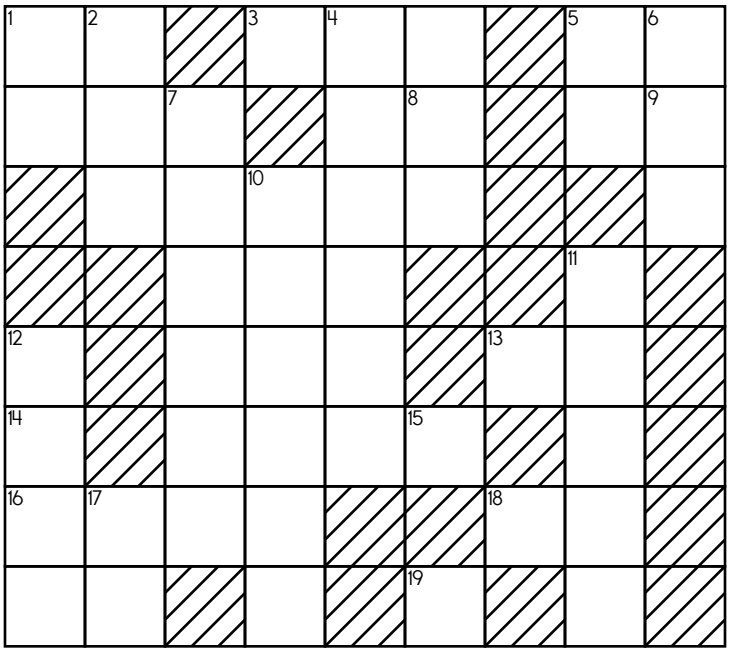
Name: _____

ACROSS

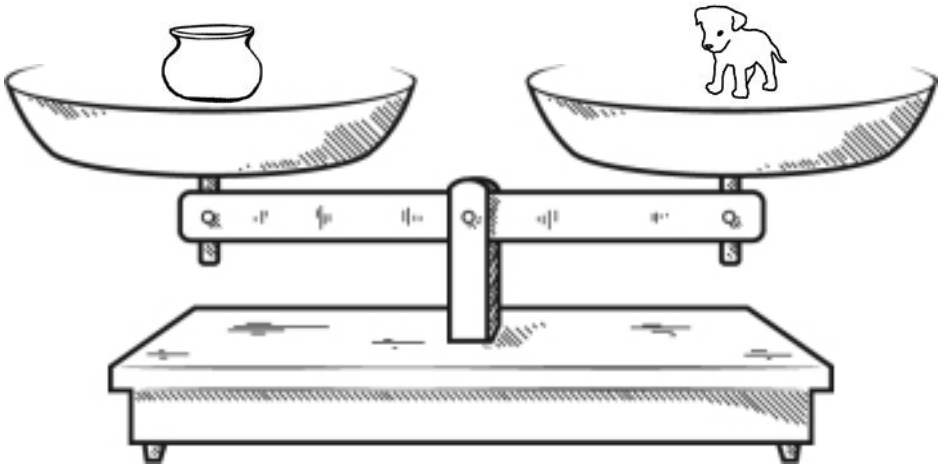
1. What is the greatest common factor of 33 and 44?
4. The factors of 32 are 1, 2, 4, 8, __, 32.
6. One-third of 18-Across
12. What is the greatest common factor of 12 and 21?
13. One-sixth of 2-Down
14. Five less than 1-Down
18. **24**
19. How many factors does 26 have?

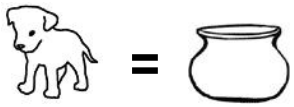
DOWN

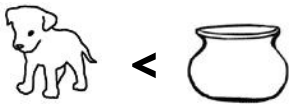
1. First prime number after 6-Across
2. Nine times 8-Down
3. What is the greatest common factor of 42 and 78?
4. Eight more than 7-Down
5. The factors of 28 are 1, 2, 4, 7, __, 28.
7. one hundred seventy-two thousand, seven hundred forty-four
8. 20
9. 4 + 15
10. two hundred fifty-six thousand, nine hundred eight
11. the tens in 7-Down + the ones in 4-Across + the ten thousands in 10-Down
12. Its digits total 18
15. What is the greatest common factor of 22 and 56?
16. First composite number after 17-Down
17. Four less than 8-Down



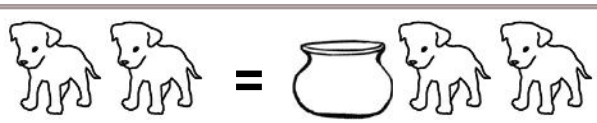
Name: _____

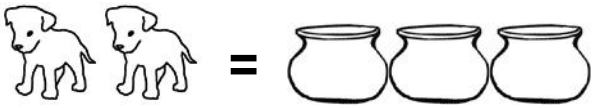


 ☐ True ☐ False

 ☐ True ☐ False

☐ True ☐ False

 ☐ True ☐ False

 ☐ True ☐ False

☐ True ☐ False

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

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

Write the decimal number for:

eight thousandths

Reduce $\frac{35}{40}$ to its lowest terms.

Find 50% of 286.

Name: _____

What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues.
Put the clues together and solve the mystery of what is in the box.

A =refuse
B =horde
D =flimsy
E =gauge
F =scrap
H =trance
I =heavy
L =deposit
N =glide
O =surgeon
P =infant
R =comfort
S =shop
T =clip
V =acquire
W =exit

Clue 1:

hefty	sail	bit	mine	deny	snip	scale	rickety
i	n						

Clue 2:

doctor	obtain	deny	mine

Clue 3:

mine	scale	deny	snip	daze	scale	soothe

Clue 4:

crowd	soothe	doctor	door	sail

Clue 5:

baby	deny	store	store	scale	rickety

What's in the Box? _____

11 x 12 = _____	Megan rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being seven?	8 x 6 = _____
		9 x 6 =

Circle the smallest number: 24,715,896,062 8,043 849,516,327 17,230,956	36 ÷ 3 = _____

(6 + 3) + 9 =	3 x 4 = _____	18 ÷ 6 = _____

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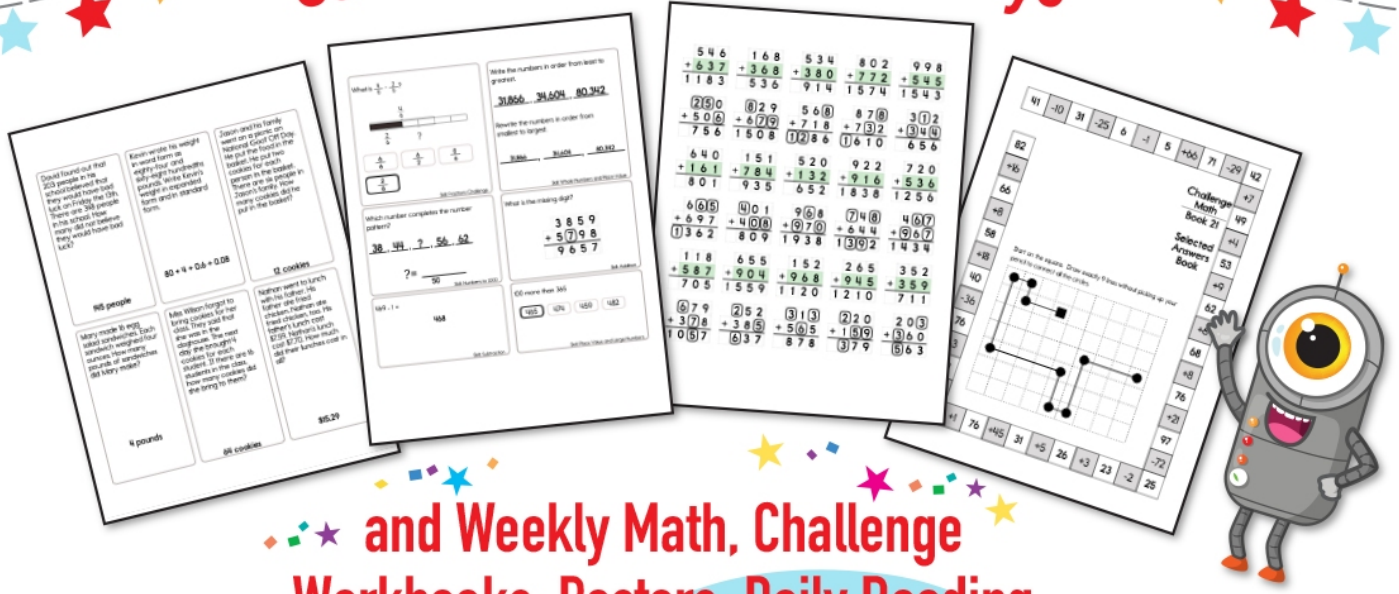

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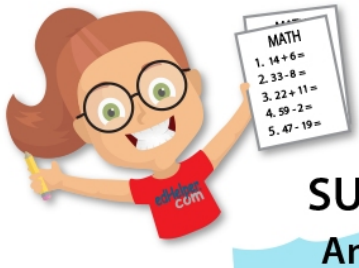

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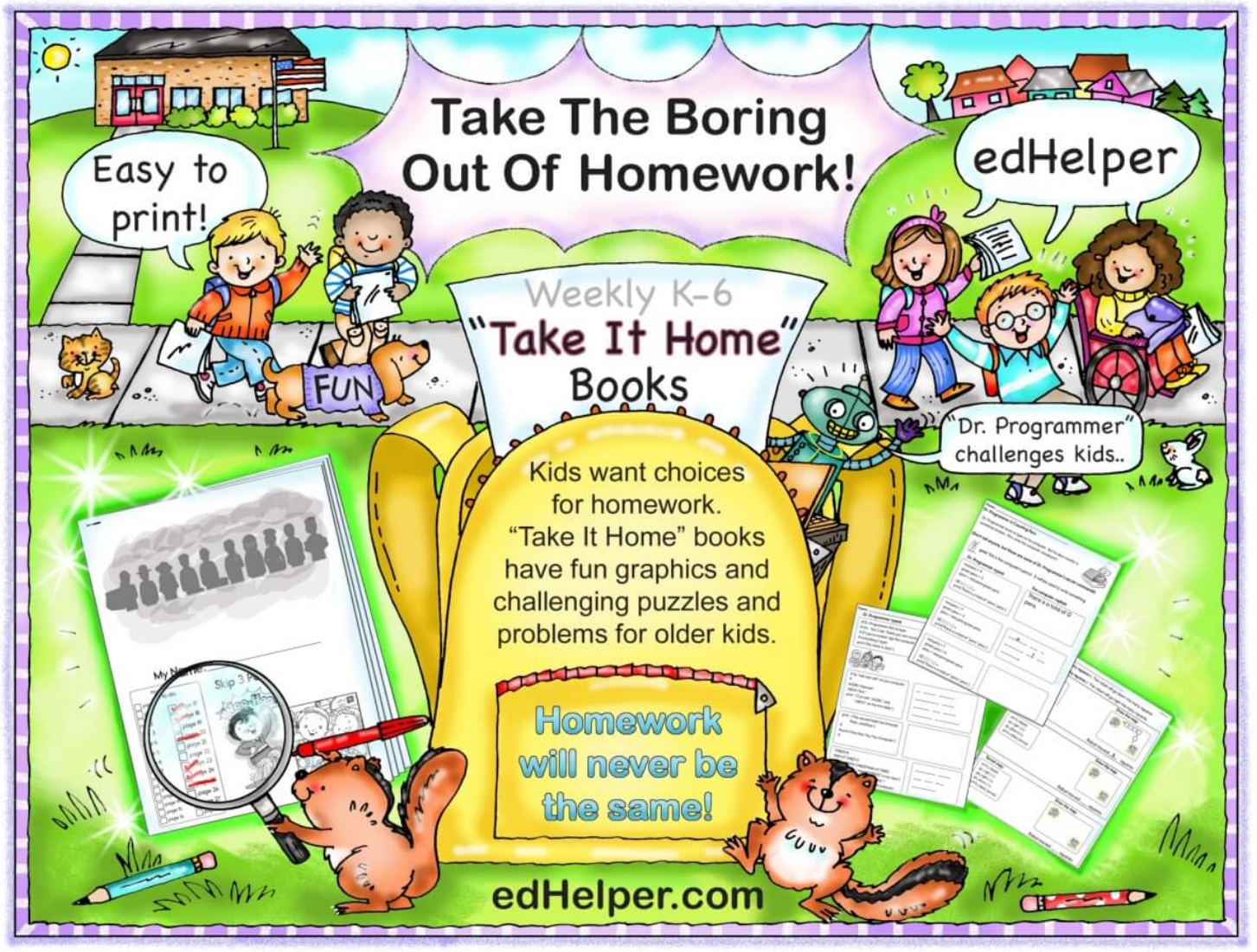
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