Challenge Math

Book 34

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

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: 23.9, 28.7, or 20.6.

The other three numbers have to all be DIFFERENT and must be from these: 1.3, 6.2, 9.6, 7.6, 3.9, 0.8, or 2.6.

Border values (clockwise from top-left):

$17\frac{1}{2}$ | +47 | $-\frac{1}{3}$ | +22 | $-2\frac{2}{3}$ | $-\frac{1}{2}$ | -3 | +18 | $+1\frac{1}{2}$ | $-\frac{2}{3}$ | +37 | -53 | $82\frac{5}{6}$ | $+\frac{1}{2}$ | +5 | $-\frac{1}{2}$ | $-4\frac{2}{3}$ | -14 | -40 | $-\frac{1}{2}$ | $-\frac{1}{3}$ | +23 | +9 | -12 | $-\frac{1}{2}$ | $47\frac{5}{6}$

Puzzle grid:

Row of top cells: 9.6 | 20.6 | ☐ | 3.9

Cell hint: greater than 1.3

Row: 23.9 | **36.9** | 0.8 | **32.3** | 9.6 | **33.6** | ☐ | **38.3** | ☐

Hints: greater than 3.9   greater than 9.6

Middle cells: 2.6 | ☐ | ☐ | ☐

Hint: odd

Row: ☐ | **27.9** | ☐ | **43.5** | ☐ | **32.3** | ☐ | **47.2** | ☐

Bottom cells: ☐ | ☐ | 20.6 | 28.7

Name: _____

Puzzle:

	2			♡	42
	2				34
				2	39
	2	2		♡	38
2				♡	35
40	18	39	55	36	✚

Work Area:

	2				42
	2				34
			2		39
	2	2			38
2					35
40	18	39	55	36	✚

The sum for each column
and row is given.

🦢 = _____   🦃 = _____   〰 = _____

♡ = _____   ⚒ = _____

$8 + 7 \times (5 - 4)$

A book has 5 pages. Each page has 10 dimes. How many dimes in the book?

What is 17 less than 1,699?

---

double 12 =

This number is one hundred less than 7,733.

10, 12, 14, 16, 18,

_____, 22, 24

Name: _____

ACROSS

1. The factors of 30 are 1, 2, 3, 5, 6, __, 15, 30.
2. What is the lowest common multiple of 5-Down and 2-Down?
3. the ones in 4-Across + the thousands in 9-Down + the hundreds in 12-Across
4. **13**
7. 9 + 13
8. 5 + 13
10. the thousands in 9-Down + the ones in 21-Down + the ten thousands in 11-Down
12. Average of 21-Down and 10-Across
13. Seven times 15-Across
14. Three more than 2-Across
15. Three less than 8-Across
16. 4 + 16
19. Seven more than 16-Across
20. Its digits total 10
24. The factors of 48 are 1, 2, 3, 4, 6, 8, 12, __, 24, 48.

DOWN

2. What is the greatest common factor of 45 and 69?
5. 3
6. How many factors does 58 have?
9. 4-Across plus 11-Down
11. eighty-five thousand, six hundred seven
12. the thousands in 10-Across + the ones in 21-Down + the hundreds in 11-Down + the ten thousands in 12-Across
17. Seven times 18-Down
18. The factors of 45 are 1, 3, 5, 9, __, 45.
20. 24-Across plus 21-Down
21. Six times 24-Across
22. Average of 21-Down and 24-Across
23. What is the greatest common factor of 62 and 80?
25. Three times 2-Down
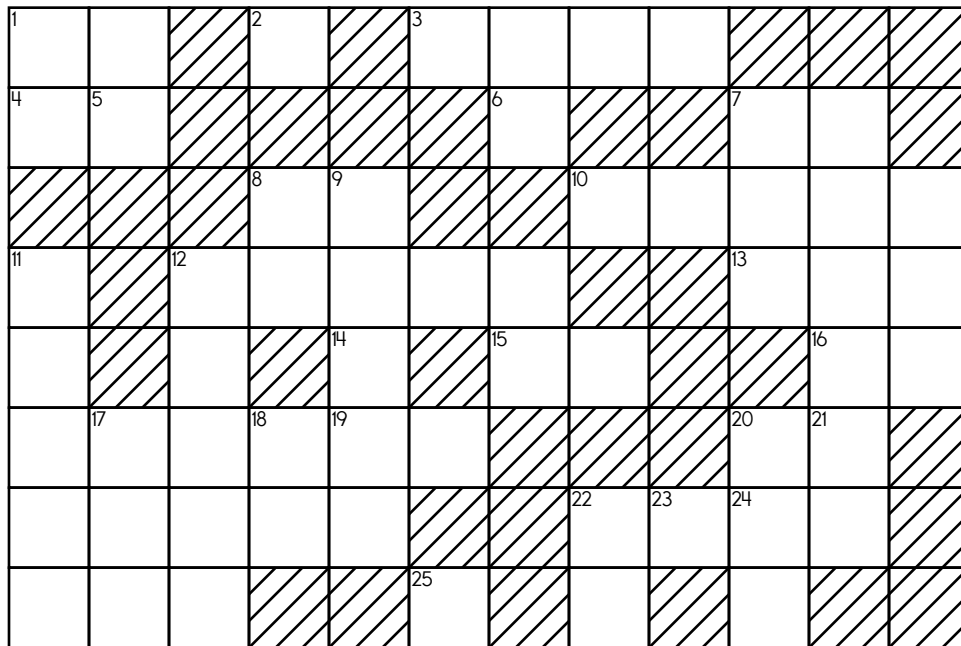
Name: _____

It was 8 degrees above zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?

Write $\frac{10}{20}$ in lowest terms.

It was 8 degrees below zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?

Circle the three numbers whose product equals 320.

  4   10   9

  8   5   9

It's 11:00 a.m. Emma has soccer practice today. If practice starts at 6:30 p.m., then how much longer until soccer starts?

38, 47, 56, 67, 78, 91,

_____, 119, 134, 151, 168, 187,

206, 227, 248, 271

$5 \div \frac{1}{4}$

What is the area of a rectangle with sides 2 cm and 6 cm?

How many meters are there in 19 kilometers?

The perimeter of a rectangle is 14 cm. The longer side is 5 cm. How long is the shorter side?

What is 50% of 792?

(823,543) ,   (117,649) ,

_____, (2,401) ,   (343) ,

(49) ,   (7) ,   (1) , $\frac{1}{7}$,

$\frac{1}{49}$

How many centimeters in 770.9 meters?

8, _____, 16, 20, 24, 28,

32

---

63 divided by 9 equals

Math Workbook

Name: _____

How many minutes is it from 8:00 a.m. to 10:25 a.m.?	Know how many inches in a foot? Okay, smarty pants, how many inches in 3 feet?	28, 35, 42, 49, _____, 63, 70, 77, 84

$2 + 12 \times 10$

How many centimeters in 6.3 meters?

$5\dfrac{1}{3} + 4\dfrac{2}{3}$

13, 3, $13\dfrac{1}{5}$, $3\dfrac{1}{5}$, _____, $3\dfrac{2}{5}$, $13\dfrac{3}{5}$, $3\dfrac{3}{5}$, $13\dfrac{4}{5}$, $3\dfrac{4}{5}$

$\dfrac{1}{4}$, $\dfrac{1}{2}$, $\dfrac{3}{4}$, 1, _____, $1\dfrac{1}{2}$, $1\dfrac{3}{4}$, 2, $2\dfrac{1}{4}$, $2\dfrac{1}{2}$, $2\dfrac{3}{4}$, 3, $3\dfrac{1}{4}$, $3\dfrac{1}{2}$, $3\dfrac{3}{4}$, 4

Estimate quickly the difference.
4,250 - 2,440

Round 75,726 to the nearest hundred.

A rectangle is 52 cm on one side and 9 cm on another side. What is the perimeter?

Round 6,505 to the nearest thousand.

Name: _____

The Glenn Springs Library just added a children's section. They put in 5 small tables with chairs, colorful rugs, 14 beanbags, and 2,200 feet of bookshelves! The librarian said that about 13 books would fit on each foot of bookshelf. When the shelves are filled, about how many books will there be in the children's section?

Peter was so sure he would win the drawing for a new bike! The rules were that a person could enter as many times as he wanted, so Peter had sent in 35 entries. There were 670 entries. If only the first entry drawn wins a bike, what are the chances Peter will win? (Express your answer as a fraction in lowest terms.)

Erin likes to multiply a number by itself. Why? Nobody knows!

"If I take my favorite number and multiply it by itself, the product will be only 17 away from 98. Can you guess my favorite number?" asks Erin.

Sally bought a kit to make fidgets. The box says that you can make up to 28 fidgets, so that would be the most she could make. Sally tried to make one. It took her 48 seconds to make. How many fidgets can she make in an hour? Assume she takes a 12-second break after making each fidget.

Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

Nice work!

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

What number is 337 less than 484?	Find the sum of 576 and 44.	$\begin{array}{r} 57 \\ +\ 37 \\ \hline \end{array}$

1 + 11 x 12 - 4	How many minutes is it from 9:00 a.m. to 11:50 a.m.?	A rectangle is 58 cm on one side and 14 cm on another side. What is the perimeter?

Name: _____

Rosa and Holly can't stop playing Mind Battles.

Rosa has $11q - 14 + 8 - 5$ points.

Holly has $12q - 11 + 8 + 8q$ points.

If $q = 7$, then who is winning?

Maria has a lot of money. She has $26t$ dollars. April only has 11 dollars. How much more money does Maria have? Well, it's $(26t - 11)$ if you need to know!

Jenna has 80 dollars. Would you believe that Maria still has more money than Jenna? How much more money does Maria have than Jenna?

Amanda went to the store to get a new phone because her phone broke. Don't ask how! Let's just say water was involved. She has v dollars that she hopes is enough to buy a replacement phone. After she gives the cashier her v dollars, the cashier says that is too much. She was given $10 back. How much did the phone cost?

On the collectibles feed it said that 2006 called and asked for their collectible mini zappers back. But Erin and Maria ignored the calls. They love collecting these. Erin has $6q$ of them. Maria doesn't have any, so Erin gave her half of hers. How many mini zappers does Maria now have?

Name: _____

Chad's dad owns a construction company. His team helps to create incredible buildings around town. Right now, his team has 2 different project offers. He's trying to decide which one will be most beneficial for his employees. The first one, Job A, will pay each construction worker $23 per hour for a total of 350 hours. The second job, Job B, will pay each employee $18 per hour but will take 475 hours to complete. Which job should Chad's dad choose if he wants to help his employees make the most money?

Show your work.

Name: _____

Add one set of parenthesis to each equation so that the equation is true.

$(8 - 3) + 2 = 7$

$1 \times (10 \div 10) = 1$

$6 \times 3 + 7 = 60$

$6 \times 3 + 7 = 25$

$7 \times 11 - 2 = 75$

$7 \times 11 - 2 = 63$

$9 + 7 + 8 = 24$

$9 + 6 + 6 = 21$

$8 \div 8 \times 4 \times 10 = 40$

$7 \times 3 + 6 - 6 = 21$

$10 + 7 \div 6 + 1 = 11$

$6 - 5 \times 11 + 8 = 19$

$12 + 7 - 12 + 5 = 12$

$9 + 7 \times 6 - 10 = 86$

$5 + 11 - 3 \div 3 = 15$

$4 \times 5 - 4 + 12 = 16$

$8 \times 10 + 9 + 10 = 99$

$3 \div 3 + 12 \times 6 = 73$

Math Workbook

Name: _____

In right triangle BCD, ∠B is the right angle, and ∠C is 30° more than ∠D.
What is the measure of all three angles?

In triangle ABC the degree measure of angle A is 10° more than the degree measure of B.
If the degree measure of C is 70°, what is the measure of all the angles in triangle ABC?

In triangle ABC the degree measure of angle A is 44° more than the degree measure of B.
If the degree measure of C is 58°, what is the measure of all the angles in triangle ABC?

Name: _____

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2 | 3 | 4

−

↓

−
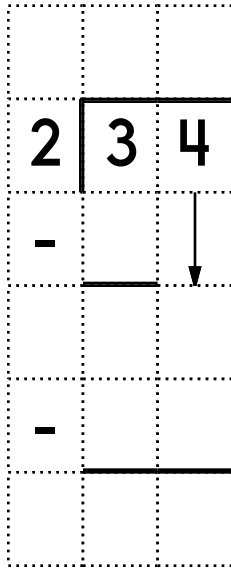
Skill: Multiplying and Dividing by 1-Digit

Compare the numbers. Write >, <, or =.

$\frac{2}{6}$ _____ $\frac{6}{2}$

$\frac{1}{2}$ _____ $\frac{3}{4}$

$\frac{12}{15}$ _____ $\frac{4}{5}$

Skill: Fractions

---

8 + 8 - 8

(1) (7) (11) (8)

Skill: Order of Operations

Round 47,848 to the nearest thousand.

(50,000) (48,000) (48,100)
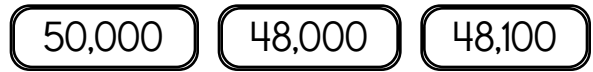
Skill: Estimation and Number Theory

$\begin{array}{r} 0.15 \\ +0.72 \\ \hline \end{array}$

Skill: Adding and Subtracting Decimals

$\frac{1}{6}$, $\frac{4}{12}$, $\frac{3}{6}$

Rewrite the numbers in order from smallest to largest.

_____ , _____ , _____

Skill: Fractions

Which is equal to 37 + 15m?

(37 + 15 x m) ((37 + 15) x m)

Skill: Algebra

Which number has 9 as a factor?

(27) (97) (25) (26)

Skill: Estimation and Number Theory

Name: _____

Get a fidget spinner! Spin it.   **I needed to spin** _____ **time(s) to finish.**

---

12 x 7 =

---

5 + (11 - 4)

Which of the following is the greatest possible 2-digit number with all different digits?

How many hundreds are in the number 170,000?

___ ÷ 4 = 6

You need to add what to 79 to get 88?

Circle the three numbers whose sum equals 39.

6   6   15   17

9   12   7   18

20   4   15   4

---

r, r, o, z, _____, 5, r,

r, o, z, z, 5, r, r, o, z

---

39 is a multiple

of 3 and 13.

24 is a multiple

of ___ and ___.

30 is a multiple

of ___ and ___.

43, 53, 63, _____, 83, 93,

103, 113, 123, 133

---

42 divided by 6 equals

Estimate quickly the difference.
5,380 - 1,240

Name: _____

Spin again.   **I needed to spin** _____ **time(s) to finish.**

What is the sum of 20 and 454?	How many total legs are on 4 tigers and 2 owls?	What number is halfway between 23 and 31?
Robert earns $23 an hour. He worked 3 hours. How much did he make?	This number is one thousand less than 3,737.	At 1 p.m. today, Wendy will not be able to use her electronics for 3 hours. At what time will she be able to resume using her phone?
Know how many inches in a foot? Okay, smarty pants, how many inches in 8 feet?	$45 + n = 57$ What is the value of n?	What is the area of a rectangle with sides 5 cm and 11 cm?
How many centimeters in 580.5 meters?	The radius of a circle is 563 cm. What is the diameter of this circle?	How much money is 1 quarter, 4 dimes, 1 nickel, and 1 penny?
Write $\frac{5}{10}$ in lowest terms.	$3 + 9 - 2 + 2$	$(9 \times 3) + 8$

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.
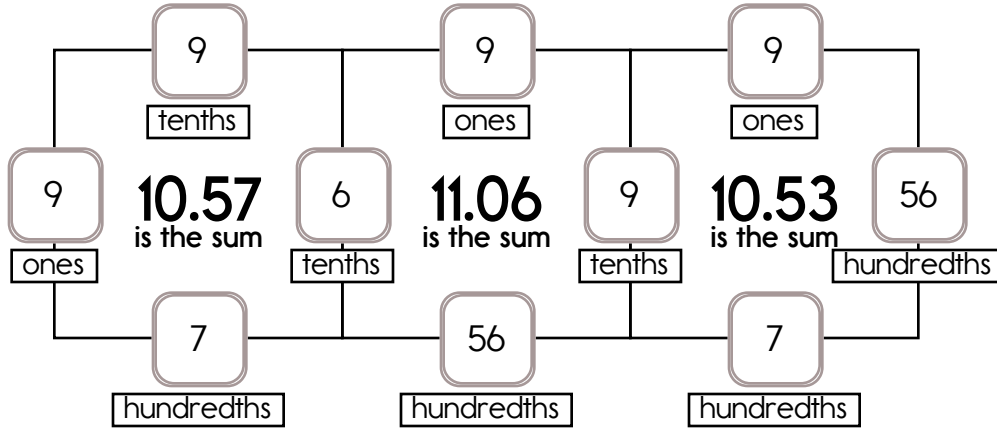
Example:
$9 + 0.6 + 0.9 + 0.07 = 10.57$

Example:
$0.9 + 0.56 + 9 + 0.07 = 10.53$

Sample:

	9 tenths		9 ones		9 ones	
9 ones	**10.57** is the sum	6 tenths	**11.06** is the sum	9 tenths	**10.53** is the sum	56 hundredths
	7 hundredths		56 hundredths		7 hundredths	

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: 4 ones, 8 ones, 3 ones, 9 ones, or 6 ones.

The other three numbers have to all be DIFFERENT and must be from these: 9 tenths, 6 tenths, 7 hundredths, 56 hundredths, or 2 tenths.

	8 ones		☐		2 tenths		☐	
2 tenths	**8.87**	6 tenths	☐	☐ ones	**5.36**	☐	**10.06**	8 ones
	7 hundredths		☐ hundredths		6 tenths		9 tenths	
☐ ones	**4.23**	56 hundredths	**9.53**	8 ones	☐ hundredths	☐ hundredths		6 tenths
	☐ tenths		☐ tenths		☐ tenths		☐	
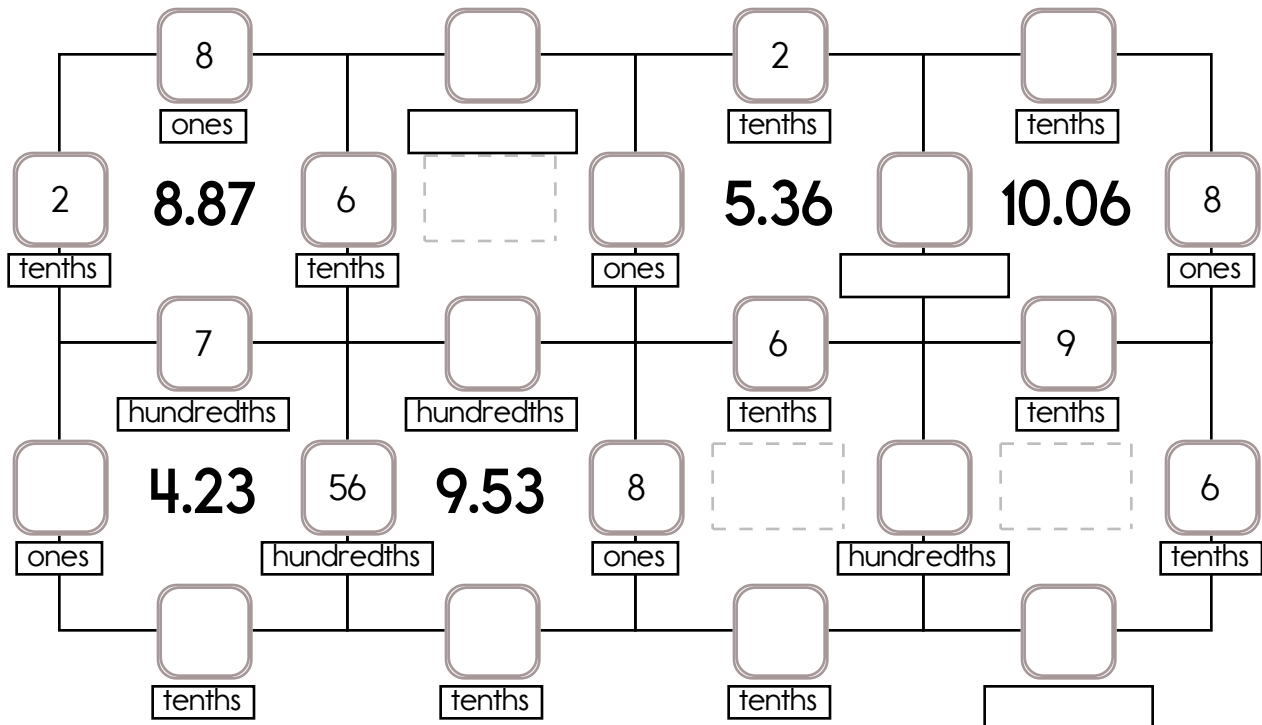
Name: _____

Connor lives on the planet Samooza where people like to collect small aliens as pets. Connor has been collecting them, also. His favorites are the Cerulean, Razzmatazz, and the Outer Space aliens.

The Cerulean have 4 eyes, 2 noses, and 2 arms.

The Razzmatazz have 3 eyes, 3 noses, and 8 arms.

The Outer Space have 7 eyes, 4 noses, and 5 arms.

Yipee! Connor has a total of 128 alien eyes, 76 alien noses, and 108 alien arms in his pet collection. How many aliens does he have?

How many of each of these three types of alien pets does he have?

Show your work. Try not to go alien figuring this out!

Name: _____

ACROSS

1. the hundreds in 2-Down + the thousands in 16-Across + the ones in 5-Down + the tens in 9-Across

2. the tens in 13-Down + the thousands in 2-Down + the ones in 4-Down + the hundreds in 5-Down

3. Its digits total 41

6. **six million, three hundred thirty-one thousand, three hundred eighty-three**

7. nine million, six hundred fifty-four thousand, seven hundred ninety-two

9. the ten thousands in 14-Down + the tens in 16-Across + the hundreds in 2-Down

12. the ones in 14-Down + the tens in 4-Down + the hundreds in 2-Across

15. the tens in 9-Across + the hundreds in 8-Down + the thousands in 2-Down

16. the tens in 4-Down + the hundreds in 14-Down + the thousands in 13-Down

17. six thousand, two hundred forty-three

DOWN

2. seven thousand, six hundred sixty

3. one million, one hundred twenty thousand, nine hundred eighty-five

4. the tens in 17-Across + the thousands in 13-Down + the hundreds in 2-Down + the ones in 5-Down

5. the ones in 17-Across + the thousands in 2-Down + the hundreds in 14-Down

8. the hundreds in 5-Down + the tens in 12-Across + the thousands in 13-Down + the ones in 17-Across

10. the thousands in 5-Down + the ones in 4-Down + the hundreds in 12-Across + the tens in 13-Down

11. the hundreds in 8-Down + the thousands in 15-Across + the ones in 1-Across + the tens in 16-Across

13. the tens in 2-Down + the hundreds in 14-Down + the thousands in 17-Across

14. forty thousand, nine hundred seventy-six
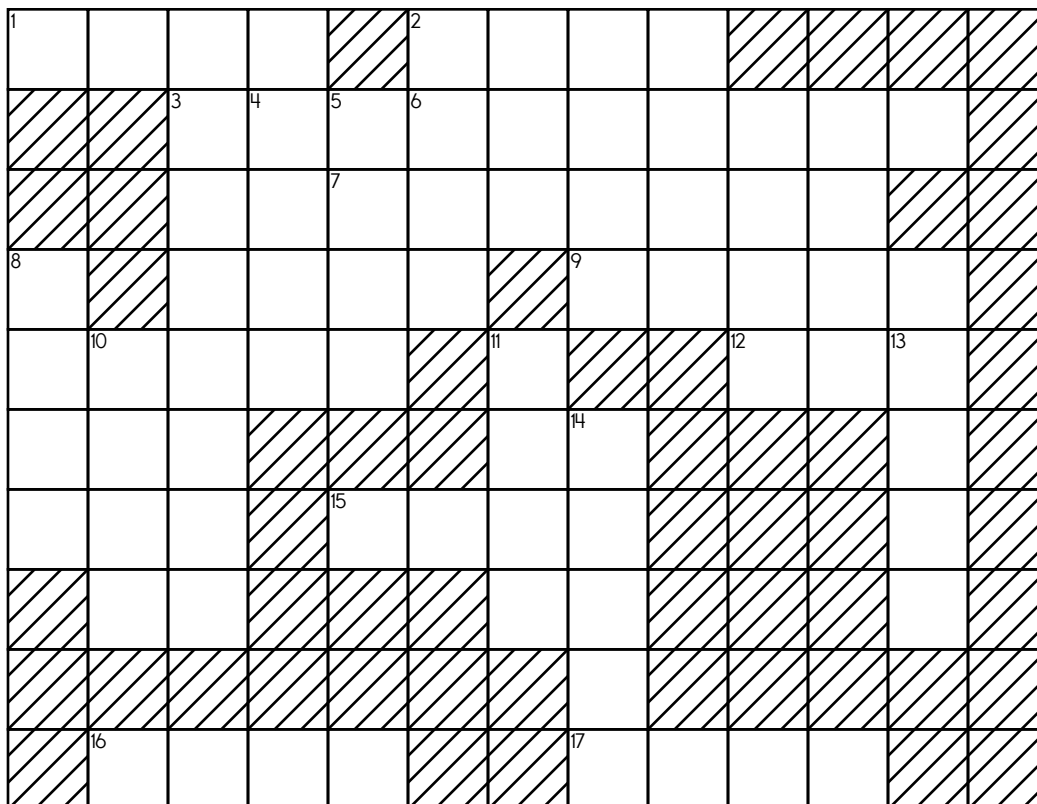
Name: _____

Pay the bill!

Megan received a bill for her cellphone from Mobile Unlimited for $61.65. Write the check as Megan would write it.

```
                                            1165
MEGAN
                        DATE_____

PAY TO THE
ORDER OF _____| $ [        ]

_____ DOLLARS

MEMO_____    _____
⑆998567627⑆    ⑆620651⑆    1165
```

Pay the bill!

Rent is due. Megan needs to pay her landlord $1,800. Her landlord's name is Ava Lewis.

```
                                            1166
MEGAN
                        DATE_____

PAY TO THE
ORDER OF _____| $ [        ]

_____ DOLLARS

MEMO_____    _____
⑆998567627⑆    ⑆620651⑆    1166
```

Name the shape with seven sides and seven angles.	Double the number 11 three times.	$14 \div 7 =$
Which number has exactly 7 hundreds?	B, E, H, K, N, Q, T, _____, Z	You have a playdate in 300 minutes. How many hours is that?

Math Workbook

Name: _____

Pay the bill!

Jason needs money. He wants to get $120 in cash, so he writes a check payable to cash in this amount. Write this check.

JASON   1358

DATE_____

PAY TO THE
ORDER OF _____ | $ [   ]

_____ DOLLARS

MEMO_____   _____

⑈996463867⑈   ⑈53149⑈   1358

Pay the bill!

Jason received a bill from Central Water for $118.61. Write the check as Jason would write it.

JASON   1359

DATE_____

PAY TO THE
ORDER OF _____ | $ [   ]

_____ DOLLARS

MEMO_____   _____

⑈996463867⑈   ⑈53149⑈   1359

---

14 ÷ ___ = 7

85, 90, 95, _____, 105, 110, 115, 120

$3 \times 4 \div 4$

$10 + 5 \times 6 \times 2$

---

double 40 =

$\frac{1}{81}, \frac{1}{27}, \frac{1}{9}, $ _____,

(1) , (3) , (9) , (27)

Name: _____

Cross off the number that does NOT belong.

(1,572,864), (393,216), (333,051), (98,304),

(24,576), (6,144), (1,536), (384),

(96), (24)

Why does _____ not belong in the pattern?

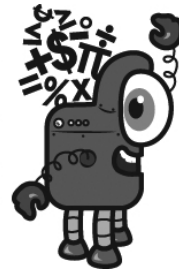Cross off the number that does NOT belong.

21, 29, 37, 46, 55, 65, 69, 75, 86, 97, 109, 121, 134, 147, 161, 175, 190

Why does _____ not belong in the pattern?

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math = Do it in your head!

imagine 3 in your head	imagine 2 in your head	imagine 2 in your head	imagine 3 in your head
multiply 12	multiply 6	multiply 2	multiply 10
double it	add 9	add 1	double it
	double it	subtract 3	subtract 8
	add 7	multiply 5	
Write the tens digit.	Add the tens digit to the ones digit. Write the sum.	Write the tens digit.	Write the ones digit.
____	____ ____	____	____
A	B C	D	E

What is the sum?

A + B + C + D + E

____ ____

Wow! Great job! That's the answer, but do you know how to SPELL the number?

____ ____ ____ ____ ____ __e__ ____ __n__

8 after 14 _____	2 before 11 _____	8 before 19 _____
1 after 13 _____	7 before 18 _____	6 before 13 _____
9 after 16 _____	4 before 16 _____	9 before 15 _____
7 after 18 _____	5 before 12 _____	3 before 14 _____

Math Workbook

Name: _____

FUN BREAK!

Play a game online!

edHelper.com/math-games.htm

Nice work!

I PLAYED ONE GAME

☐

(Check the box after you play.)

MY SCORE

_____

---

10 + m = 39	x - 12 = 8	What is the greatest common factor of 8 and 6?
How much time is it from 7:00 a.m. to 10:15 a.m.?	25 ÷ 5 + 7	The radius of a circle is 671 cm. What is the diameter of this circle?

Name: _____

Can you draw lines to cover every number or shape in the picture?
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!
The first one is already done for you. Good luck.
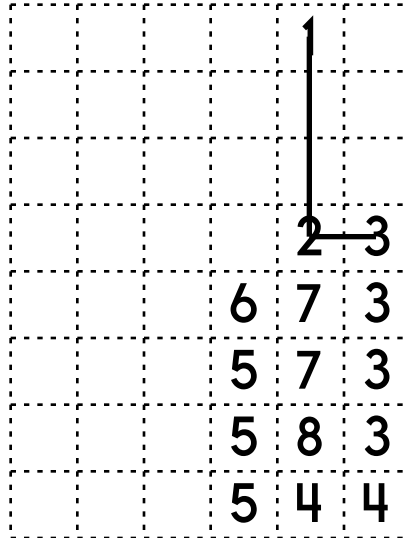
Draw exactly 8 lines.
Start on 1.
Do not pick up your pencil.
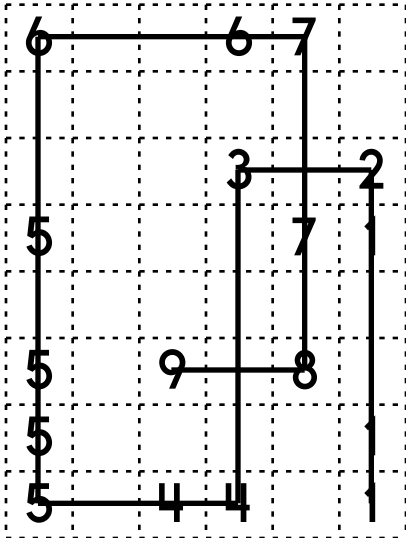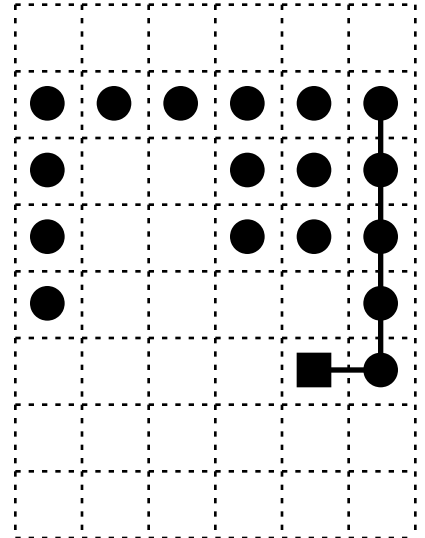
Draw exactly 7 lines.
Start on 1.
Do not pick up your pencil.
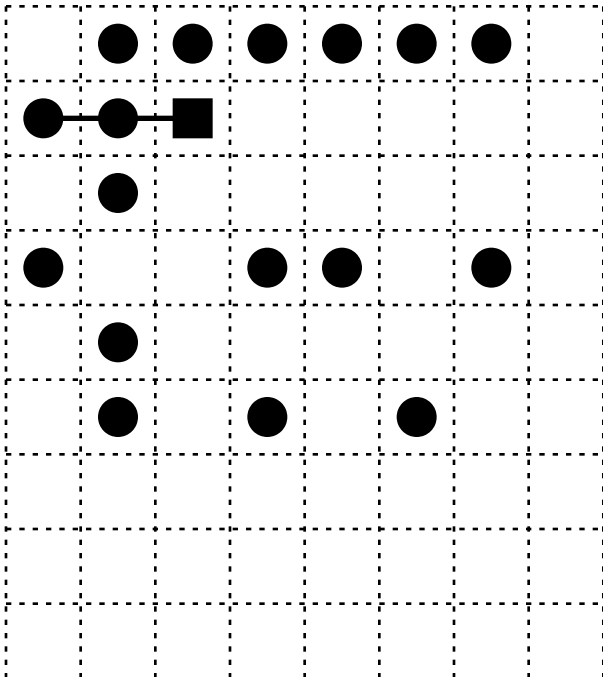
Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.

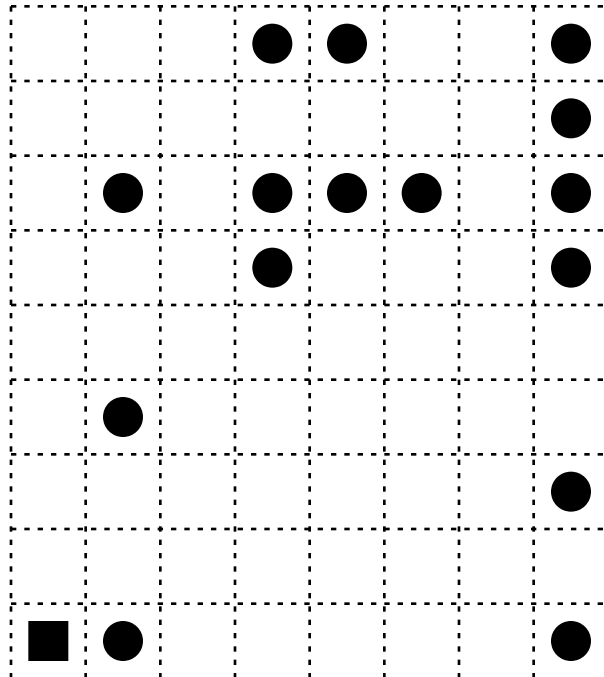Draw exactly 7 lines.
Start on the square.
Do not pick up your pencil.
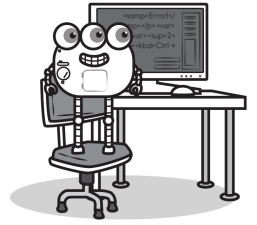
Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.

Name: _____

Robot was given a math problem to solve.

Gavin bought his mother a big bouquet of tulips to thank her for all the things she did every day. He gave them to her on No Housework Day. The tulips cost $14.48. If he gave the clerk $20, how much change did he get back?

Robot wrote this program in Python to solve it.

```
tulips_cost = 14.48
gavin_gave = 20

change = gavin_gave - tulips_cost
print(change)
```

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 tulips_cost will have a value in it.
What value does it have?

[   ]

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

[   ]

Name: _____

Robot wrote this program to solve a math problem.

```
# Assign value to the cost of the card
card_cost = 63

# amount given by Sarah
sarahs_money = 75

# Calculate the change
sarahs_change = sarahs_money - card_cost

print(f'Sarah gets {sarahs_change} cents change.')
```
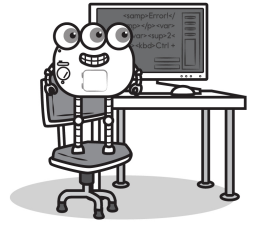
What will the program print out? Fill in the blanks.

Sarah gets ____ ____ cents change.

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

Math Workbook

Name: _____

"That song again?" asked Anna.

"Yeah. I can't get it out of my head," replied Jack. "Luckily I got this new Out of Your Head app. It repeats songs. You first setup how long you want it to repeat. When you start the app it doesn't first play the song, it waits that long. I have it set to repeat this song every 8 minutes. It's a quick song, it lasts only 2 minutes."

"Cool!" replied Anna. Anna installed the app on her phone. She set up the app for 15 minutes. Her song is a little longer. When she starts the app it will first wait 15 minutes before it will play her song, which lasts 3 minutes. The app will then wait another 15 minutes and then play the song again. It will keep doing that until you stop the app.

"Hey, Anna. Let's start the app at the same time. My song will begin in 8 minutes. Your song will begin in 15 minutes. I wonder when both of our songs will be playing music at the same time."

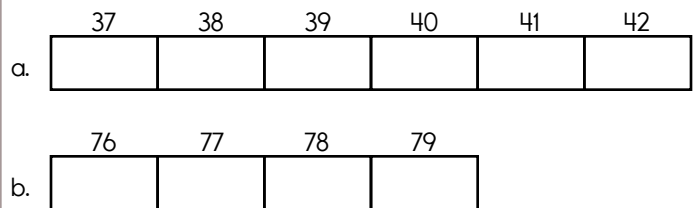How long until both songs are playing at the same time?

Name: _____

Emily rode her bike to Holly's house. Leaving her driveway, she turned right and rode about 1.8 kilometers where she turned right. Holly's house was the seventh house on the left side of the road. It's getting late, and Emily needs to go home, but she has brain freeze. Write directions on how she should ride her bike home from Holly's house.

1	2	3	4	5	6	7	8	9	10

11	12	13	14	15	16	17	18	19	20

21	22	23	24	25	26	27	28	29	30
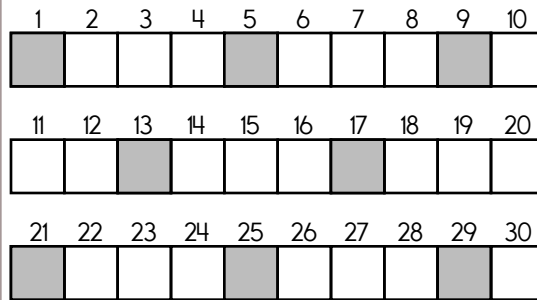
If this pattern continues, color how these squares would look:

a.

37	38	39	40	41	42

b.

76	77	78	79

Rose wrote a program. It inputs a letter. Then it inputs a number. If you input Z and 7, the program will count backwards from Z and tell you what the seventh letter is. It will print S.
Show what the program should print for these inputs.

a. S and 10

b. X and 6

c. L and 3

David has 12 one-dollar bills, 4 five-dollar bills, 13 ten-dollar bills, and 6 twenty-dollar bills. He wants to pay a bill of $217 at the grocery store and get no change. Which bills should he give the cashier?

Name: _____

Fill in the missing numbers.

5.618 x _____ = 561.8

0.05618 x _____ = 561.8

56.18 x _____ = 561.8

What is $\frac{2}{7}$ of 154? Show your work.

Name: _____

7 pearls = $\frac{2}{8}$ of a heart

_____ pearls = $\frac{2}{4}$ of a heart

Make a coordinate grid where you can plot x and y values from 0 to 12. Remember x goes to the right and y goes up. Plot these points: (1, 1), (1, 6), (5, 6), and (5, 1). What is the perimeter of the rectangle you drew?