Name_____

Changing Places

E 1-1
NUMBER SENSE

Look at the chart. Something has happened to the place value of each starting number. Write the part that is missing in each row. Use the sample to help you.

	Starting Number	Change Place	Ending Number
	1,426	2 tens *less*	1,406
1.	73,458	3 thousands *more*	
2.		5 ones *less*	496,350
3.	91,858		91,758
4.	8,537	6 tens *more*	
5.		4 hundred thousands *more*	754,311
6.	172,618		102,618
7.	342		9,342
8.		1 ten *less*	254,008
9.	121,021	11 tens *more*	
10.	594,637	1 ten thousand *more*	
11.		3 thousands *less*	723,432
12.	99,999		100,009

Name _____

Puzzling Place Values

E 1-2
NUMBER SENSE

Write the missing number or word in each blank to complete each sentence.

1. Thirty million, three has _____ digits.

2. You need _____ digits to make a number that is 1 less than 100,000,000.

3. The value of the 7 in 427,208,311 is _____.

4. The number two million, four hundred one thousand, two has _____ digits.

5. The digits in sixty-five million, three hundred eighty-one thousand, two hundred four have a sum of _____.

6. Five hundred twenty-four million, two hundred eighty thousand, four hundred has a _____ in the ten millions place.

7. The number that is 2 more than 99,999,999 has _____ zeros.

8. In the number 304,248,168, there is a 4 in the _____ place and in the _____ place.

9. The number _____ is fifty thousand more than 15,343,014.

10. Twenty-five thousand nine hundred eighty-one is _____ less than 25,984.

Name _____

Letter Codes

Each letter in the nine-letter words below has been given a digit. Each word represents a different place value. Jellyfish represents the ten-thousands digits, porcupine represents the thousands, crocodile represents the hundreds, angelfish represents the tens, and bumblebee represents the ones.

Ten thousands

J	E	L	L	Y	F	I	S	H
1	2	3	4	5	6	7	8	9

Thousands

P	O	R	C	U	P	I	N	E
1	2	3	4	5	6	7	8	9

Hundreds

C	R	O	C	O	D	I	L	E
1	2	3	4	5	6	7	8	9

Tens

A	N	G	E	L	F	I	S	H
1	2	3	4	5	6	7	8	9

Ones

B	U	M	B	L	E	B	E	E
1	2	3	4	5	6	7	8	9

Use the code to find the words that the numbers represent.

1. 4,217

_____

2. 1,729

_____

3. 213

_____

4. 92,286

_____

5. 3,388

_____

6. 86,729

_____

Name _____

Chart-Topping Rivers

E 1-4
DATA

The names of some of the world's longest rivers are in the table. Count how many of the five vowels each river name has. Tally those findings in the chart below. Answer the questions that follow using the information you found.

River	Country
Amazon	Brazil
Nile	Egypt
Mississippi	U.S.
Chang	China
Yenisey	Russia

	A	E	I	O	U
Amazon	||			|	
Nile					
Mississippi					
Chang					
Yenisey					
TOTAL					

1. Which rivers contain both an E and an I?

_____

2. Which rivers contain at least one A?

_____

3. Which vowel is used the most in the river names?

_____

4. Which vowel is not used in the river names?

_____

5. How many more times are E and I used in the names than A and O?

_____

Name_____

Follow the Leader

E 1-5
PATTERNS

Find the path to the finish line. You may only travel to a greater number. You may not move diagonally. Color the boxes as you find your way.

Start

1	0	3	17,642	7	1,543	1,727	1,848	18,603
7	10	9	183	1,572	1,600	1,847	1,849	3,722
6	26	15	205	206	955	842	763	7,026
31	49	37	207	444	701	83	8,303	8,103
62	73	112	150	35	697	98	9,265	8,100
17	59	97	3	9,621	14	19,423	15,211	12,964
12,043	703	84	12,652	30,654	7,342	19,464	1,643	1,673
1,334	945	3	7,003	632	948	21,190	23,023	25,901

Finish

Name_____

Quick Math

The students in Mrs. Barnwell's science class learned a lot about the speed of different animals.

A crocodile can run about 10 km per hour.

1. Find and circle the speeds of a crocodile that round to 10.

16 4 17 8 6 12

A red deer can run about 80 km per hour.

2. Find and circle the speeds of a red deer that round to 80.

67 78 82 85 90 76

An elephant is very large, but it can run about 40 km per hour!

3. Find and circle the speeds of an elephant that round to 40.

41 44 52 36 49 38

A cheetah can run about 110 km per hour.

4. Find and circle the speeds of a cheetah that round to 110.

114 124 115 108 118 105

An ostrich can run about 50 km per hour.

5. Find and circle the speeds of an ostrich that round to 50.

41 52 47 54 46 59

A hare can run about 70 km per hour.

6. Find and circle the speeds of a hare that round to 70.

74 64 67 71 79 69

Name _____

About One Million

E 1-7
ESTIMATION

Circle the best estimate for each question. Then, explain how you could check your answer.

1. If one book is about 10 in. high, about how many books would be in a stack that is 1,000,000 in. high?

   A. 1 million books **B.** 5 million books **C.** 100 thousand books

   _____

   _____

2. If 1 million people visited the zoo this year, about how many people visited every week? (Remember: There are 52 weeks in 1 year.)

   A. 20,000 people **B.** 10,000 people **C.** 2,000 people

   _____

   _____

3. If there are about 30 days in each month, about how many months are in 1 million days?

   A. 40,000 months **B.** 30,000 months **C.** 20,000 months

   _____

   _____

4. About how many years would it take to give away 1 million dollars if you give away 1 dollar every minute?

   A. 2 years **B.** 5 years **C.** 10 years

   _____

   _____

Name _____

Aquarium Time

E 1-8
REASONING

Aquarium Tour Schedule	
Introduction:	Aquarium history 
Part 1:	Freshwater fish 
Part 2:	Saltwater fish 
Part 3:	Penguins and sea lions 
Part 4:	Sharks
Part 5:	Dolphin show 
Closing:	Questions and answers 
 = 5 minutes	
Tours begin every hour from 9 A.M. to 4 P.M.	

1. How long does the dolphin show last?

_____

2. How long does the entire tour last?

_____

3. Which parts of the tour last longer than the Closing?

_____

4. Which parts of the tour are shorter than Part 3?

_____

_____

5. Marvin began his tour at 10:00 A.M. What time will his tour end?

_____

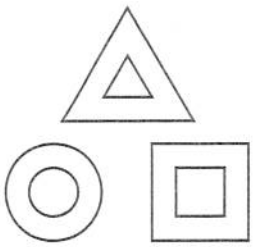
6. Pam began her tour at 1:00 P.M. She plans to meet her friends at 2:40 P.M. Will the tour end in time?

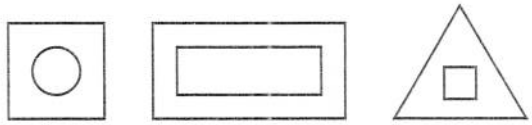
_____

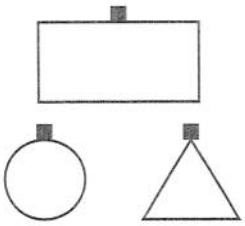
Name_____

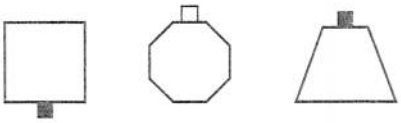
Similar Shapes

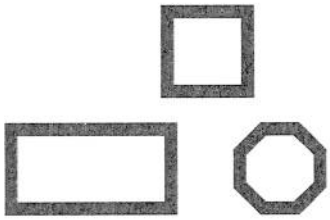
Look at the group of shapes on the left and find something that all of the shapes in the group have in common. Then, circle the shape on the right that belongs in the group.

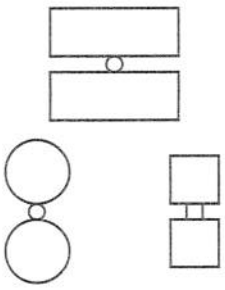
1. 

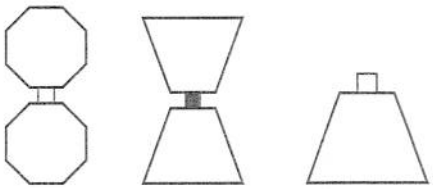


2. 



3. 

4. 



Name _____

Toy Store

E 1-10
DECISION MAKING

Sam is counting up the money he has saved to buy some toys at the store. Help him count the following amounts and decide which toys he could buy with each amount.

Toys	
Top	$1.00
Car	$1.75
Ball	$2.00
Bear	$4.50
Book	$4.25
Doll	$8.40
Puzzle	$4.00

1. 4 quarters, 1 dime, 3 nickels, 2 pennies

_____

_____

_____

2. Two $5 bills, 1 dollar, 3 quarters, 6 dimes, 1 nickel, 5 pennies

_____

_____

3. Sam pays the exact amount for one item. He gives the clerk 1 dollar, 1 quarter, 7 dimes, and 5 pennies. Which item did he buy?

_____

4. Sam buys 2 toys. He gives the clerk one $5 bill, 2 dollars, 5 quarters, 3 dimes, and 4 nickels. He does not get any change. Which 2 toys did Sam buy?

_____

5. What coins did Sam use to buy the car if he gave the clerk 1 dollar and 11 coins?

_____

_____

Name_____

Vacation Computation

E 1-11
REASONABLENESS

Read each story. Then find and circle all of the answers that could be true. There may be more than one correct answer.

1. The Pak family wants to go to Miami, Florida, for a vacation. They found a hotel for 5 days that costs $89 per night. Which of the following answers could be true?

   A. They will get change back if they pay with $500.

   B. They do not have enough money if they pay with $500.

   C. If they pay with $500, they could stay one extra night.

2. The Paks decide to drive from Chicago, Illinois, to Miami. They will drive on many roads as they travel the total of 1,379 mi. The three main roads they travel are Interstate-65 for 433 mi, Interstate-24 for 141 mi, and Interstate-75 for 480 mi. Which of the following answers could be true?

   A. The total miles on the three main roads are most of the miles they will travel.

   B. They will only travel on three roads.

   C. They will travel about 300 mi on the other roads.

3. The total time driving to Miami will be 22 hr and 11 min. Which of the following answers could be true?

   A. If they drive without stopping, it will take two days to get there.

   B. If Mr. Pak and Mrs. Pak each drive for half of the time, they will each drive about 11 hr.

   C. If the Paks start driving at 8:00 A.M. and drive without stopping, they will arrive in Miami the next morning.

Name _____

Decimal Patterns

E 1-12
PATTERNS

Write the next two numbers in each pattern.

1. 0.2, 0.4, 0.6, _____, _____

2. thirty-three hundredths, thirty-four hundredths, thirty-five hundredths,

   _____, _____

3. 1.7, 1.8, 1.9, _____, _____

4. fourteen hundredths, sixteen hundredths, eighteen hundredths,

   _____, _____

5. 1.27, 1.24, 1.21, 1.18, 1.15, _____, _____

6. two tenths, twenty hundredths, three tenths, thirty hundredths, four tenths,

   _____, _____

7. 1.45, 1.4, 1.35, 1.3, 1.25, _____, _____

8. three tenths, six tenths, nine tenths, one and two tenths, one and five tenths,

   _____, _____

9. five tenths, forty-five hundredths, four tenths, thirty-five hundredths, three tenths,

   _____, _____

10. 2.2, 2.0, 1.8, 1.6, 1.4, _____, _____

11. 0.09, 0.14, 0.19, 0.24, 0.29, _____, _____

12. thirty-seven hundredths, thirty-three hundredths, twenty-nine hundredths, twenty-five hundredths, twenty-one hundredths,

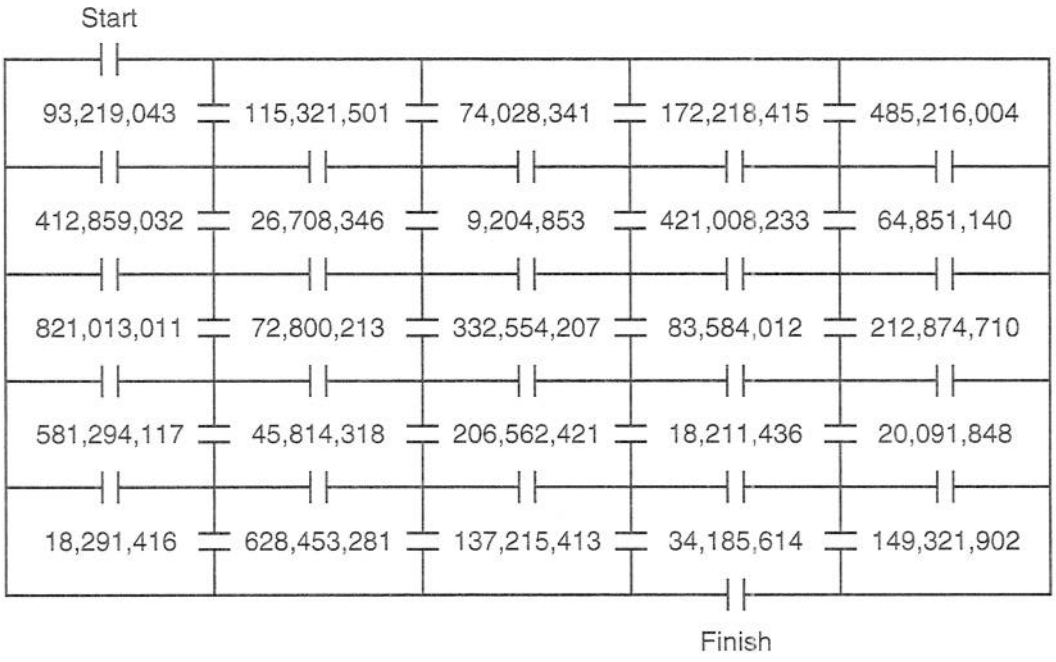
    _____, _____

Name_____

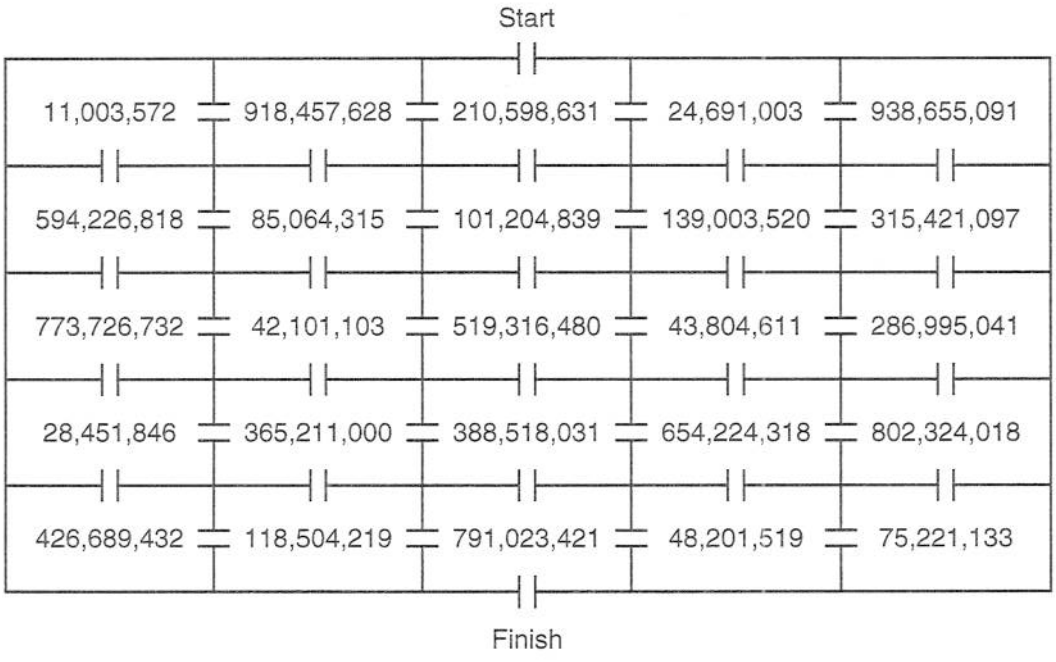
Number Mazes

Follow the rules to find your way through the mazes.

1. You can only enter a square with a number whose digits add up to a sum that is greater than 30.



2. You can only enter a square that has a digit in the ten-millions place that has a greater value than the ten-millions digit in the number in the square you moved from.



Name_____

Student Plays

E 1-14
DECISION MAKING

Marta's class is working in groups of 7 students to present plays to the class. Use the comments made by the students in Marta's group to decide who will be responsible for each position.

Marta: "I do not want to design the set or the costumes."

Calvin: "I like sewing and designing clothing, but I can also direct."

Andrew: "I enjoy writing and playing music."

Louisa: "I am good at organizing and directing people."

Diego: "I enjoy speaking in front of the class."

Jackie: "I will do anything except direct the play."

Helen: "I am interested in painting and designing, but I do not like to sew."

1. Directing the play _____.
2. Designing the set _____.
3. Designing and sewing the costumes _____.
4. Playing the music _____.
5. Acting in the play (Hint: There will be three students acting in the play.)

   _____

6. If your first choice for director was unable to participate, whom would you choose as a replacement? Explain.

   _____

   _____

   _____