

Mrs. Ebert's Orange Group AMI Lessons (Day 11-15)

Day 11

- ★ Read A Visit with Sue
- ★ Complete the Comprehension Quiz
- ★ Complete Lesson Topic: Math Mixed Operations

Day 12

- ★ Read Juggler in Training
- ★ Complete the Comprehension Quiz
- ★ Complete Lesson Topic: Math Mixed Operations

Day 13

- ★ Read Turtle the Turtle
- ★ Complete the Comprehension Quiz
- ★ Complete Lesson Topic: Subtraction-Regrouping

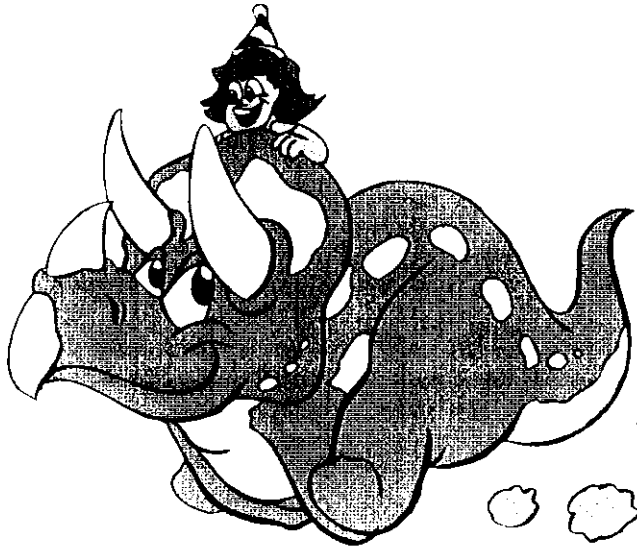
Day 14

- ★ Read Seconds Count
- ★ Complete the Comprehension Quiz
- ★ Complete Lesson Topic: Addition-Regrouping

Day 15

- ★ Read The Aquarium
- ★ Complete the Comprehension Quiz
- ★ Complete Lesson Topic: Addition-No Regrouping

Day 11



A Visit with Sue

"When do you think we'll get there?"

"How much longer?"

"I can't wait to see Sue!" The kids on the bus were talking at the same time. Everyone was ready for their first visit to meet Sue.

The bus made its way through the crowded streets of Chicago and soon the class could see the water of Lake Michigan. The teacher reminded everyone that Lake Michigan is one of the five Great Lakes. By the time she finished the bus was parked at the Field Museum of Natural History. In a few minutes everyone would meet Sue for the first time.

Even though everyone wanted to run and meet Sue, they walked in a group like they were supposed to inside the museum. Quickly they spied Sue standing there right in the open space on the first floor. The class surrounded her but no one said hello.

Instead, kids began to chatter. "Wow, is Sue big!" "She's so tall!" "How much does she weigh?" These questions didn't hurt Sue's feelings at all. You see, Sue is the name of the famous dinosaur skeleton at the Field Museum.

The class learned that Sue is the skeleton of a T-rex dinosaur, a *Tyrannosaurus rex*. The museum docent explained that Sue is 40 feet long from her nose to her tail and she is twelve feet tall at her hips. Scientists believe Sue was 28 years old when she died.

Sue was discovered in 1990 in South Dakota on the Cheyenne River Indian Reservation. Her skeleton was about 80% complete when it was found. She went on display at the museum in 2000.

After they learned about Sue, the class went to see the fossil remains of other dinosaurs displayed at the museum.

Name: _____ Date: _____

Multiple Choice Questions

Circle the correct answer.

1. The class was visiting the
 - a. City
 - b. Lake
 - c. Museum

2. The class was there to see
 - a. Fossils
 - b. Fish
 - c. Skyscrapers

3. Sue was
 - a. 40 feet long
 - b. 20 feet wide
 - c. 15 feet tall

4. Sue was the skeleton of a
 - a. Dinosaur
 - b. Woolly mammoth
 - c. Whale

5. Sue was discovered in what state?
 - a. North Dakota
 - b. South Dakota
 - c. Utah

NAME: _____

DIRECTIONS Solve each problem.

1. $37 + 24 =$ _____

6. Is 4×3 equal to 6×2 ?

2. $8 \times 6 =$ _____

7. How many meters are in 600 centimeters?
_____*Hint: 100 cm = 1 meter*

3. $40 \div 4 =$ _____

8. What month comes before August?

4. $19 \div 3 =$ _____

9. Is a square a rectangle?

5. $600 + 70 =$ _____

10. Complete the chart with the missing factors.

Product	32	36	40	42
Factor	4	6	5	6
Factor				

*Factor \times factor = product*SCORE

1. (Y) (N)

2. (Y) (N)

3. (Y) (N)

4. (Y) (N)

5. (Y) (N)

6. (Y) (N)

7. (Y) (N)

8. (Y) (N)

9. (Y) (N)

10. (Y) (N)

____ / 10

Total

Day 12

Juggler in Training



One night at supper Jennifer announced, "I want to learn how to juggle. I brought home a book from the library that shows me how to start juggling. I need to make some balls out of rolled up socks to practice with. Is that okay, Mom?"

"Sure." Mom replied. "But don't practice in the apartment. You might damage something. Practice in the hallway but don't bother anybody."

The next day Jennifer turned some of her big brother's white cotton socks inside themselves to make fluffy soft balls. Once out in the hallway, she tried the first lesson in the how to juggle book. It said to put the ball on her head, nod her head gently forward and catch the ball in her hands. She did that a few times, then tilted her head backwards and tried to catch the ball with her hands behind her back the way the book said.

"That was easy enough," she said to herself. "I'll try the next lesson."

The next lesson seemed pretty simple too. Jennifer placed the soft sock in her right hand. She tossed it straight up higher than her head like the lesson said, clapped her hands once, but missed catching the ball with her left hand. She tried several times but only could catch the ball once in while. Discouraged, she went inside her apartment.

"Did you have fun?" her Mom asked.

"It was okay." replied Jennifer. "But I didn't do very well on the second lesson so I quit."

"Well, it's way too early to quit, Jennifer. Today was your first day. If you practice more tomorrow, I'll bet you'll figure it out. It takes time to learn something new."

Name: _____ Date: _____

Multiple Choice Questions

Circle the correct answer.

1. Jennifer was learning to juggle from a book she
 - a. Bought at a store
 - b. Borrowed from a friend
 - c. Borrowed from the library

2. Jennifer was juggling
 - a. Plastic balls
 - b. Socks rolled up into balls
 - c. Rubber balls

3. Mom said Jennifer could practice juggling
 - a. In the hallway
 - b. In the kitchen
 - c. In her room

4. In the first juggling lesson how many balls did Jennifer put on her head at one time?
 - a. One
 - b. Two
 - c. Three

5. In the second lesson how high did Jennifer toss the ball?
 - a. Up to her shoulders
 - b. Above her head
 - c. To the ceiling

NAME: _____

DIRECTIONS

Solve each problem.

SCORE

1. (Y) (N)

1.
$$\begin{array}{r} 20 \\ - 15 \\ \hline \end{array}$$

2. (Y) (N)

2. Which is smaller:
0.6 or 0.16?

3. (Y) (N)

3. How many groups
of 6 are in 42?

4. (Y) (N)

5. (Y) (N)

6. (Y) (N)

4. $25 \div 5 = \underline{\hspace{2cm}}$

7. (Y) (N)

8. (Y) (N)

5. Is 75 less than 57?

9. (Y) (N)

10. (Y) (N)

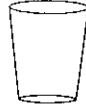
6. Fill in the missing number.

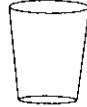

112, 102, _____, 82, 72

___ / 10

Total

7.

If 2  fill a  and

3  fill a , then

_____  fill a .

8.

Which month has only 28 days?

9.

School Awards

Student	Daniel									
	Evan									
	Rich									
		0	2	4	6	8	10	12		

Who has won the most awards?

10.

Ms. Nielson's class has an ant farm. There are 1,235 male and 2,628 worker ants. How many ants are there in the farm?

Day 13

Tuttle the Turtle

Tuttle was snug inside his leathery egg. It was completely dark but he didn't care because he was warm and safe in a nest in the sand. His mother had left Tuttle and his brothers and sisters hidden inside the nest. When she knew her eggs were safe she returned to her place in the ocean. Tuttle and his family were sea turtles.



One day something inside Tuttle told him he was getting too big for his egg. It was time for Tuttle to hatch. It was time for all the baby turtles in the nest to hatch. It is safer to hatch and leave the nest at night. Many predators find baby turtles to be a tasty meal. Birds and mammals will eat baby turtles.

Meanwhile Tuttle worked hard to break open his egg shell. Birds have a brittle egg shell but turtles have a soft shell that is hard to open. It took some time for Tuttle to open his egg using his egg tooth but he worked hard and finally left his shell behind.

But remember, Tuttle's mother had left her eggs buried about twenty inches deep in the sand. Tuttle and the other baby turtles had to dig their way out of the nest but one by one they emerged from the sand.

Tuttle didn't have time to look around at the beach. Tuttle didn't care about the sky or the stars. Instinct told him that his home was in the ocean. Tiny Tuttle wasn't afraid of the big ocean waves that landed on the beach. He ran to the ocean as fast as he could along with dozens of his brothers and sisters who had just hatched too.

Tuttle already knew how to swim and how to hold his breath under water. He knew how to breathe while he was under the water too. Tuttle used his small flippers to swim out into the vast unknown ocean. Tuttle would never come back to land again but his sisters will some day lay their eggs on a sandy beach.

Name: _____ Date: _____

Multiple Choice Questions

Circle the correct answer.

1. Where was Tuttle's nest?
 - a. In a tree
 - b. On a beach
 - c. In the grass

2. After Tuttle's mother laid her eggs she
 - a. Stayed and kept the eggs warm
 - b. Flew away
 - c. Returned to the ocean

3. The safest time for baby turtles to hatch is
 - a. In the morning
 - b. In the afternoon
 - c. At night

4. Right after hatching Tuttle had to next
 - a. Dig out of the sandy nest
 - b. Run to the water
 - c. Swim in the ocean

5. When Tuttle grows up he will
 - a. Return to the beach every year
 - b. Sometimes return to the beach
 - c. Always stay in the ocean

Subtraction—Regrouping

27

★ When subtracting, look at the ones column first. If the bottom digit is greater than the top digit, you need to regroup.

$$\begin{array}{r}
 \text{tens} \quad \text{ones} \\
 2 \quad 11 \\
 \cancel{2} \cancel{1} \\
 -18 \\
 \hline
 3
 \end{array}$$

Look at the ones column. Since 8 is greater than 1, you need to regroup. Take 1 ten from the tens place. Add it to the ones. Subtract the ones. Then subtract the tens.

$$\begin{array}{r}
 \text{tens} \quad \text{ones} \\
 2 \quad 11 \\
 \cancel{2} \cancel{1} \\
 -18 \\
 \hline
 13
 \end{array}$$

Circle **yes** or **no** to tell if you need to regroup. Then subtract to solve.

1) $\begin{array}{r} 43 \\ -8 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 28 \\ -16 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 43 \\ -15 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 57 \\ -28 \\ \hline \end{array}$ yes
no

2) $\begin{array}{r} 80 \\ -57 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 52 \\ -12 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 71 \\ -29 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 63 \\ -44 \\ \hline \end{array}$ yes
no

3) $\begin{array}{r} 32 \\ -23 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 87 \\ -48 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 35 \\ -27 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 46 \\ -18 \\ \hline \end{array}$ yes
no

4) $\begin{array}{r} 23 \\ -5 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 30 \\ -22 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 51 \\ -15 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 72 \\ -33 \\ \hline \end{array}$ yes
no

5) $\begin{array}{r} 46 \\ -37 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 60 \\ -26 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 56 \\ -37 \\ \hline \end{array}$ yes
no

$\begin{array}{r} 32 \\ -8 \\ \hline \end{array}$ yes
no

Day 14



Seconds Count

"I'm just so excited about the 4-H show on Saturday!" Christy was on the phone with her best friend. "Trixie and I are all set for our very first competition barrel race."

Trixie was Christy's trained barrel racing horse, one of the best around Johnson County, Wyoming. Christy's parents acquired Trixie from another local family whose daughter had gone off to college and was no longer eligible for 4-H events.

Friday night Christy started to get her outfit ready for the next day's event. She pressed her long-sleeve Western shirt and jeans. She checked the snaps on the sleeves of her shirt. She didn't want to be disqualified because her sleeves weren't snapped. She got out her cowboy hat and boots and made sure they were clean and proper.

Saturday morning Christy got up early and scampered out to the barn. She wanted to groom Trixie so the horse would look her best too.

"Good morning Trixie," Christy greeted her special horse. "Are you ready for our big race today?" Trixie nuzzled her as if to answer, yes indeed, she too was ready for the day's race.

At the arena Christy found out that she and Trixie were the next to the last of the racing teams of horse and rider. The only contestant after them was last year's 4-H champion.

When it was their turn Christy said, "Come on Trixie - let's show everyone what we can do!" Off they raced at full speed around the complicated barrel course. Everyone cheered when Christy and Trixie galloped out of the arena. The master clock said their time was the fastest so far by just three seconds.

Next, last year's champion rider and her horse came shooting into the arena at a full gallop. Christy held her breath and waited to see who would be that day's champion.

Name: _____ Date: _____

Multiple Choice Questions

Circle the correct answer.

1. What kind of competition were Christy and Trixie in?
 - a. Barrel race
 - b. Jumping
 - c. Dressage

2. In which state does the story take place?
 - a. Wyoming
 - b. Colorado
 - c. Idaho

3. What did Christy wear for the competition?
 - a. Western skirt
 - b. Western shirt
 - c. Ball cap

4. When was it Christy's turn to race?
 - a. First
 - b. Next to the last
 - c. Last

5. Who won the race?
 - a. Christy and Trixie
 - b. Last year's champion
 - c. We don't know

Addition—Regrouping

19

☆ When you add 3-digit numbers, you sometimes regroup 10 tens as 1 hundred.

Add the ones.
 $4 + 3 = 7$

	hundreds	tens	ones
	5	2	4
+	2	8	3
			7

Add the tens.
 $2 + 8 = 10$

	hundreds	tens	ones
	5	2	4
+	2	8	3
		0	7

Add the hundreds
 $1 + 5 + 2 = 8$

	hundreds	tens	ones
	5	2	4
+	2	8	3
	8	0	7

Add the digits in each place in the problem. Circle **ones**, **tens**, or **none** to show which place needs to be regrouped. Then add to solve.

<p>1) $\begin{array}{r} 257 \\ +362 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 409 \\ +390 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 89 \\ +841 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 432 \\ +338 \\ \hline \end{array}$</p>	<p>none tens ones</p>
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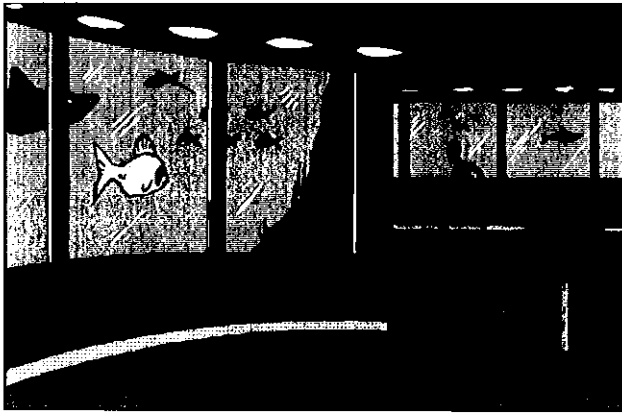
<p>2) $\begin{array}{r} 509 \\ +203 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 624 \\ +194 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 213 \\ +646 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 166 \\ +343 \\ \hline \end{array}$</p>	<p>none tens ones</p>
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<p>3) $\begin{array}{r} 350 \\ +350 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 464 \\ +327 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 621 \\ +126 \\ \hline \end{array}$</p>	<p>none tens ones</p>	<p>$\begin{array}{r} 88 \\ +220 \\ \hline \end{array}$</p>	<p>none tens ones</p>
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Add to find the sum. Regroup ones or tens when needed.

<p>4) $\begin{array}{r} 219 \\ +162 \\ \hline \end{array}$</p>	<p>$\begin{array}{r} 239 \\ +143 \\ \hline \end{array}$</p>	<p>$\begin{array}{r} 138 \\ +390 \\ \hline \end{array}$</p>	<p>$\begin{array}{r} 872 \\ + 66 \\ \hline \end{array}$</p>	<p>$\begin{array}{r} 336 \\ + 58 \\ \hline \end{array}$</p>	<p>$\begin{array}{r} 293 \\ + 535 \\ \hline \end{array}$</p>
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Day 15



The Aquarium

"Last Saturday my step-dad took us kids to the aquarium for a special treat," Kevin reported to his science classmates. "It was a neat place to visit."

Since it was class participation time, Carla asked, "Did you see any sharks?"

"Yup," replied Kevin, "Lots of ferocious sharks with big jaws and rows of sharp teeth. It was great – there's a way to walk under the shark tank so they swim over your head."

"Explain about the difference between a salt water and fresh water habitat," said Mr. Ramone, the science teacher.

"Well," said Kevin, "Ocean creatures live in the salt water tanks and fish that come from rivers and lakes are in other fresh water tanks. There are even water snakes in both kinds of tanks."

"And you know what?" continued Kevin, "You can tell how a fish eats by looking at its mouth. Fish that eat bugs on the surface have a mouth that opens upward. Fish that eat other fish by swimming up to them and swallowing them whole have a mouth in the middle of their face. Some fish that eat food from the bottom of the ocean or lake have a mouth like a vacuum cleaner."

Tyrone spoke up, "We went to the aquarium last February. I liked the nurse sharks. They were in a shallow pool and you could put your hand in the water and touch them. That was neat!"

"Do you know that rays and sharks don't have bones?" said Mr. Ramone. "Their skeletons are made from cartilage instead."

The bell rang and science class was over for the day. A couple of the kids stopped and asked Mr. Ramone if the class could take a field trip to the aquarium at the end of the school year.

Name: _____ Date: _____

Multiple Choice Questions

Circle the correct answer.

1. Who went to the aquarium?
 - a. Kevin and his step-dad
 - b. Kevin, his step-dad and other kids
 - c. Kevin's class

2. What was special about the shark tank?
 - a. The sharks had big teeth
 - b. The sharks had large jaws
 - c. People could walk under the tank

3. A salt water tank at the aquarium is designed for
 - a. Fish from lakes
 - b. Fish from the ocean
 - c. Fish from streams

4. Who else in the classroom had visited the aquarium?
 - a. Carla
 - b. Tyrone
 - c. Mr. Ramone

5. What kind of fish were in the shallow pool at the aquarium?
 - a. Nurse sharks
 - b. Tiger sharks
 - c. Hammerhead sharks

Addition—No Regrouping



★ When you find a sum, add the digits in the ones place first. Then add the digits in the tens place. Finally, add the digits in the hundreds place.

	hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones
153	153	153	153	153
+234	+234	+234	+234	+234
7	87	387	387	387

Solve.

- | | | | | | | |
|----|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1) | 334
<u>+205</u> | 290
<u>+507</u> | 573
<u>+326</u> | 183
<u>+ 13</u> | 836
<u>+102</u> | 372
<u>+ 25</u> |
| 2) | 94
<u>+403</u> | 621
<u>+ 7</u> | 423
<u>+ 61</u> | 550
<u>+439</u> | 685
<u>+114</u> | 701
<u>+ 86</u> |
| 3) | 267
<u>+ 20</u> | 800
<u>+161</u> | 418
<u>+250</u> | 614
<u>+203</u> | 777
<u>+ 12</u> | 249
<u>+610</u> |
| 4) | 173
<u>+521</u> | 607
<u>+242</u> | 363
<u>+404</u> | 174
<u>+800</u> | 542
<u>+232</u> | 156
<u>+441</u> |

- 5) All 75 third graders put on a play for the 223 students in the lower grades. How many students were at the play altogether? _____
- 6) Sam had 145 cards in his collection. His sister Jane had 214. How many did they have in all? _____
- 7) Casey's classroom library had 325 books. Ellie's mom donated 62 more books to the library. How many books were in the library altogether? _____