Lesson Preparation

• Mark boxes on page 13 in the LightUnits.
• D Flash Cards
• Manipulatives to teach fractions

Oral Activities

⇒ Counting. Count by 1’s from 51 to 100. Point out the numbers on the chart. Count in groups or individually as needed.

⇒ D Flash Cards and Speed Drill 4. Have students record their scores on page 65.

Teaching the Lesson

⇒ Correct all mistakes from the previous lesson’s practice set.

⇒ Pretest – Numbers and Extra Activity.

⇒ Practice Set – Fractions. Explain that fractions are parts of a whole. Give examples of parts of circles on the chalkboard. Teach that the bottom number of the fraction tells how many pieces there are altogether; the top number tells how many are shaded, or how many we are talking about. Have students help decide

Practice Set – Fractions

Follow the directions.

1. Color of the circle.

2. Color of the circle.

3. Color of the circle.
what the fractions are for parts of circles.

Draw objects—apples, stars, balls—to teach students how to find half of a group. Explain that finding half of a group is like making two groups with the same number of objects in each group.

Have students correct Pretest – Fractions. Assign the fractions practice set. Check and hand back for correcting. Give remedial help as needed.

⇒ Pretest – Numbers (pages 15, 16). Assign the pretest for those who had to do the fractions set. Students must have a raw score of 51 to pass this pretest.

Helpful Hints

For those who have trouble finding half of a group, show them how to label each object with a letter. For example, if the student’s name is Tim and his friend’s name is John, have him put T on the first object on the left side; next put a J on the last object on the right side. Keep alternating until all of the objects are labeled. Then have him circle all of his objects with one circle and all of John’s objects with another circle. You will have to guide him in doing this in a systematic way so that it is easy to draw the circles around half of the objects when he is finished labeling them.

⇒ After Class. Check students’ LightUnits.

Lesson 5

(pages 17-21)

Lesson Preparation

• Mark boxes on page 17 in the LightUnits.
• E FLASH CARDS

Oral Activities

⇒ Counting. Count by 5’s to 100. Use the counting chart as needed.

⇒ E FLASH CARDS and Speed Drill 5. Have students record their scores on page 65.
Lesson 5

Write the number for each place value.

1. \(682\)  \(891\)
   - 2 \( ones\) place
   - 8 \( tens\) place
   - 6 \( hundreds\) place

2. \(23\)  \(3\)  \(81\)  \(65\)  \(65\)  \(5\)

Box the even numbers. Underline the odd numbers.

Lesson 5

Order the numbers from smallest to largest.

10. \(65\)  \(56\)  \(34\)  \(47\)

Write the numbers.

11. three hundred fifty-nine  \(359\)
12. seventy-five  \(75\)
13. one hundred forty  \(140\)
14. thirty-eight  \(38\)
15. fifteen  \(15\)

Choose even or odd.

16. 23  \(\bigcirc\) even  \(\bullet\) odd
17. 56  \(\bullet\) even  \(\bigcirc\) odd
18. 18  \(\bullet\) even  \(\bigcirc\) odd
19. 35  \(\bigcirc\) even  \(\bullet\) odd

Lesson 5

Write the even numbers that are less than 10.

3. \(0\)  \(2\)  \(4\)  \(6\)  \(8\)

Write the numbers that come before and after.

4. \(12\)  \(13\)  \(14\)  \(17\)  \(18\)  \(19\)
5. \(10\)  \(11\)  \(12\)  \(55\)  \(56\)  \(57\)  \(6\)  \(7\)  \(8\)

Write the number that comes between.

6. \(55\)  \(56\)  \(57\)  \(61\)  \(62\)  \(63\)  \(124\)  \(125\)  \(126\)

Fill in the boxes.

\(100 + 100 + 10 + 10 + 1 + 1 = 232\)

7. \(2\) \(hundreds\) + \(3\) \(tens\) + \(2\) \(ones\) = \(232\)

\(100 + 10 + 10 + 10 + 10 + 1 + 1 + 1 + 1 + 1 = 155\)

8. \(1\) \(hundred\) + \(5\) \(tens\) + \(5\) \(ones\) = \(155\)

Write the numbers from smallest to largest on the boxcars.

9. \(183\)  \(519\)  \(238\)

Lesson 5

Pretest – Money

Count the money and write the amount. Use the ¢ sign for Numbers 1 to 5. Use the $ sign for Number 6. (1 point each.)

1. \(\bigcirc\) \(3\) ¢

2. \(\bullet\) \(6\) ¢

3. \(\bigcirc\) \(4\) ¢

4. \(\bullet\) \(7\) ¢

5. \(\bigcirc\) \(3\) ¢

6. \(\bullet\) \(33\) $
Teaching the Lesson

➤ Correct mistakes from last practice set.

➤ Pretest – Money and Extra Activity. You may want to discuss the wise use of money.

➤ Practice Set – Numbers. Review names for place values. Have students help do several exercises similar to Exercise 1 on page 17. Make sure the students understand what even and odd numbers are.

Do some before, after, and between numbers together.

Teach students to count how many hundreds, tens, and ones there are; then simply have them copy those numbers in the order in which they are written. Give practice in writing numbers from words.

Work together to order numbers from smallest to largest and from largest to smallest.

Have students correct Pretest – Numbers (pages 15, 16). Assign the numbers practice set (pages 17-19). Check, hand back for correcting, and give remedial help.

➤ Pretest – Money (pages 20, 21). Assign the pretest for those who had to do the numbers practice set. Students must have a raw score of 16 to pass this pretest.

Helpful Hints

This teaching lesson could get quite long. If there are parts of this lesson that students had no trouble with on their pretest, do not spend time on them.

If students had trouble on a number of these areas, you may want to teach a couple of these concepts and let students do the exercises before teaching the other concepts. You may want them to run around the school once between some of these concepts.

➤ After Class. Check students’ LightUnits.

Lesson 6 (pages 22-25)

Lesson Preparation

• Mark boxes on page 22 in the LightUnits.
Lesson 6

Practice Set – Money

Count the money. Be sure to write the cent or dollar sign.

1. 11¢¢ or $0.11
2. 15¢¢ or $0.15
3. 20¢¢ or $0.20
4. 33¢¢ or $0.33

Write the amount in each box. Use the dollar sign.

5. 44¢¢ or $0.44
6. 00¢¢ or $0.00
7. 11¢¢ or $0.11
8. 33¢¢ or $0.33

Write the amounts in each box. Use the dollar sign.

9. one dollar and fifty-three cents
10. six dollars and ten cents
11. one dollar and fourteen cents
12. thirty-six cents
13. two dollars and forty-three cents
14. nine dollars

Lesson 6

△ Read the amounts in Numbers 9 to 14 to your teacher.

Write the amount in each box.

15. $2.00
16. 25¢¢ or $0.25
17. 50¢¢ or $0.50
18. 10¢¢ or $0.10

Just for Fun

Will the rabbit find his way home or get caught by the fox?
Find out by coloring all the squares that equal 10.

Pretest – Patterns

Write the amount in each box.

15. $2.00
16. 25¢¢ or $0.25
17. 50¢¢ or $0.50
18. 10¢¢ or $0.10

Write > or <. (2 points each) [6]

1. 5 > 2       6 < 7       21 > 13

Write 261 on the right side of the tape. Write 5 on the left side. (3 points each) [6]

2. 5

Color the shapes that are congruent. (6 points) [6]

3. □ □ □ □

Underline the shape that will come next. (3 points each) [6]

Draw the shape in the box.

4. △ □

Write numbers to finish the pattern. (2 points each) [6]

5. 2, 4, 6, 8, 10, 12

25

30
• *F Flash Cards*
  • Dollar bills, dollar coins, dimes, nickels, pennies

**Oral Activities**

⇒ *Counting.* Count by 10’s to 100.

⇒ *F Flash Cards* and *Speed Drill 6.* Have students record their scores on page 65.

**Teaching the Lesson**

⇒ Correct all mistakes from the previous lesson’s practice set.

⇒ *Pretest – Patterns and Extra Activity.*

⇒ *Practice Set – Money.* Count money with the students. Write the amounts on the chalkboard. Teach them how to write cents two ways—with a cent sign and a dollar sign. Explain and show them that there must be two places for cents when using the dollar sign.

Have students correct Pretest – Money (page 20). Assign the money practice set.

⇒ *Pretest – Patterns* (page 25). Assign the pretest for those who had to do the money practice set. Students must have a raw score of 25 to pass this pretest.

**Helpful Hints**

Students will enjoy taking turns writing the amounts of the money on the chalkboard. Be sure that each of them has a turn at counting the money. When they have free time today, allow them to count money and write the amounts on the chalkboard.

For an ongoing activity, set up a store for a reward system. After they have accumulated enough points they may buy something from the store.

⇒ *After Class.* Check students’ LightUnits.
Oral Activities

⇒ **Counting.** Count by 2’s to 20. Students may circle these numbers on their charts as a visual aid.

⇒ **A FLASH CARDS and Speed Drill 7.** Have students record their scores on page 65.

Teaching the Lesson

⇒ Correct mistakes from the last practice set.

⇒ **Pretest – Shapes and Extra Activity.**

⇒ **Practice Set – Patterns.** Use the chalkboard to teach the greater than (>) and less than (<) symbols.

Draw some sample patterns on the board. Examples: XXOXXOX_; triangle, circle, square, triangle, __; 2, 4, 6, _ _, _; etc. Guide the students through these patterns. Help them see what comes first, next, and last. Help them to see where the patterns start repeating themselves.

Be sure they understand the difference between left and right.

Teach congruent and give examples on the board. Be sure they know how to pronounce the word.

Have students correct Pretest – Patterns (page 25). Assign the patterns practice set (pages 26-28).

⇒ **Pretest – Shapes (page 28).** Assign the pretest for those who had to do the patterns practice set. Students must have a raw score of 6 to pass this pretest.

⇒ **After Class.** Check students’ LightUnits.
Lesson 8
(pages 29-32)

Lesson Preparation

• Mark boxes on page 29 in the LightUnits.
• B FLASH CARDS
• Rulers showing inches and centimeters

Oral Activities

⇒ Counting. Count by 5’s to 100. Use the charts if needed.
⇒ B FLASH CARDS and Speed Drill 8. Have students record their scores on page 65.

Teaching the Lesson

⇒ Correct all mistakes from the previous lesson’s practice set.
⇒ Pretest – Measurements and Extra Activity.
⇒ Practice Set – Shapes. For those who may have had problems with this concept, give a good chalkboard review of the shapes. Explain that an angle is like a corner where two sides of a shape meet. Tell them that a shape has the same number of angles as sides.

Have students correct Pretest – Shapes (page 28). Assign the shapes practice set (pages 29, 30).

Practice Set – Shapes

Circle the correct shape.

1. triangle  circle  rectangle

What shape is the domino?
2. square  rectangle

How many sides does a triangle have?
3. 3 sides

Match the shapes with the names.

4. triangle  square  rectangle  circle

How many angles does each shape have?
Write the answer inside the shape.
5. 3 5 6 4
Pretest – Measurements (pages 31, 32). Assign the pretest for those who had to do the shapes practice set. Students must have a raw score of 18 to pass this pretest.

Helpful Hints
Don’t let students forget about shapes after math class. Find various shapes in the classroom, cafeteria, and playground throughout the day.
Tell them that God’s love is like a circle; it doesn’t end. If you know the song “God’s Love Is Like a Circle,” teach it to them.

After Class. Check students’ LightUnits.

Lesson 8
Measure each object and write its length. (2 points each.) [4]

1. [a drawing of an object] 3 inches

2. [a drawing of an object] 4 inches

Use a ruler to draw a line 6 inches long. Start at the dot. (2 points.) [2]

Circle each group that is a dozen. (3 points each.) [6]

5. [a drawing of a group of objects]

6. [a drawing of a group of objects]

7. 1 foot equals 12 inches.

Lesson 9
(pages 33-36)

Lesson Preparation
- Mark boxes on page 33 in the LightUnits.
- C Flash Cards
- Ruler showing inches and centimeters

Oral Activities
- Counting. Count by 10’s to 100. Use charts as needed.