GRADE 4

Mid-Year Assessment

Standards-Based Mathematics

Simple Solutions.

Minutes a Day—Mastery for a Lifetime!

Using the Simple Solutions Mid-Year Math Assessment: A Teacher's Guide

This **Simple Solutions Mid-Year Standards-Based Math Assessment** is designed to help you evaluate student progress halfway through the year, providing valuable insights into individual performance, class mastery, and where students need your targeted support most.

Why Use These Assessments

Standards Aligned: Each item connects directly to grade-level math standards

Data-Driven Instruction: Use results to pinpoint strengths and gaps

Built-in Review: Prepares students for year-end assessments while reinforcing prior learning

Easy to Administer: Flexible timing and straightforward format

Before the Assessment:

✓ **Follow the Simple Solutions Approach and Routine** in the weeks leading up to the Mid-Year Assessment to review covered standards, ensure students are familiar with all topics, and give students ample practice with this routine.

✓ **Set and consistently reinforce** clear testing expectations, such as silent voices, eyes on your own paper, and raise your hand.

✓ **Use any remaining time** to check your work.

✓ **Decide** if your assessment will be taken on paper or digitally through the S²TaR Center.
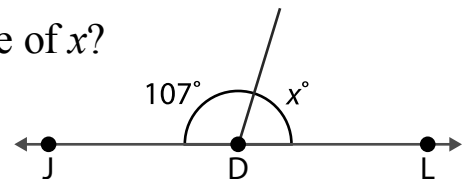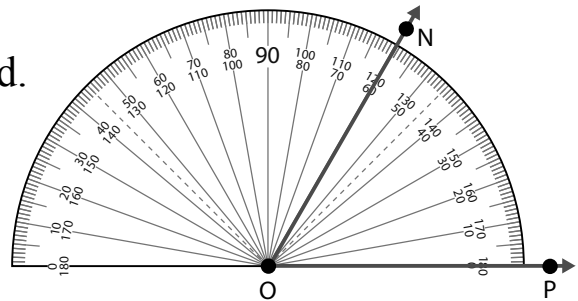
During the Assessment:

✓ **Tell students**, "Today, we are going to do a Mid-Year Assessment to see which __ grade math skills you have mastered and which ones you might need extra help with. Do your best."

✓ **Review** your class testing expectations.

✓ **Cover anchor charts** so students rely on their own knowledge.

✓ **Provide time checks** until time is up.

After the Assessment:

✓ **Grade paper assessments** and enter data into the S²TaR Center. Digital quizzes are instantly graded.

✓ **Generate data reports** to analyze student needs and trends. Some data reporting options include:

- Course Reports for class averages, student scores, individual student progress, and minutes spent completing each question

- Standards Reports for class standards mastery, individual student's standards mastery, and minutes spent completing each question

✓ **Use the Worksheet Generator** in the S²TaR Center to create additional practice aligned with student needs.

✓ **Share progress data** with students and families to celebrate growth and set goals.

Mid-Year Assessment

1. The ice cream shop served 4 times as many sundaes as banana splits on Tuesday afternoon. They served 7 banana splits. How many sundaes did they serve?

2. Clare sold 36 boxes of cookies for her troop. That was 4 times more than Sara sold. How many boxes did Sara sell? Choose the correct equation and solve it.

3. Sean makes money babysitting. He made $350 over four months.

   Look at the equation: $140 + $90 + $70 + x = $350

   Which is the most reasonable estimate for x?

4. What sign (<, >, or =) makes this sentence true? $\frac{3}{5} \bigcirc \frac{1}{4}$

5. Describe the pattern.   3, 8, 13, 18, 23

6. Write 8,675 in expanded form.

7. Round 55,340 to the nearest ten thousand.

8. $7,000 - 3,997 = ?$

9. Find the measure of $\angle NOP$.

10. John has a full 2-liter bottle of soda. He pours 200 milliliters of soda into several empty glasses. How many glasses will he be able to fill before the bottle is empty?

11. $62 \times 17 = ?$ Complete the area model to find the product.

12. A library bookcase in the library is 5 meters long. How many centimeters long is the bookcase?

13. If $\angle JDL$ is a straight angle, what is the measure of x?

14. $1,940 \div 4 = ?$

15. Find all the factor pairs for 27.

Mid-Year Assessment

1. 4.OA.1

2. 4.OA.2

☐ $4 + c = 36$
☐ $4 \times c = 36$

3. 4.OA.3

☐ $50
☐ $200
☐ $350

4. 4.OA.4

5. 4.OA.5

6. 4.NBT.2

7. 4.NBT.3

8. 4.NBT.4

9. 4.MD.6

10. 4.MD.2

11. 4.NBT.5

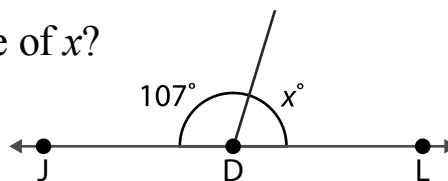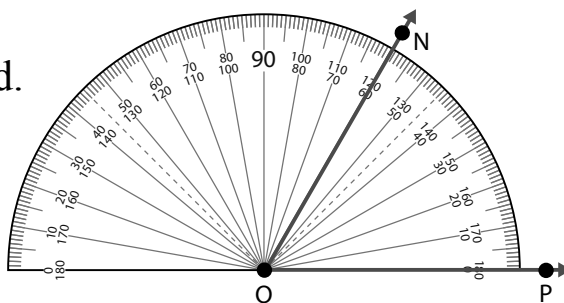**12.** 4.MD.1

13. 4.MD.7

14. 4.NBT.6

15. 4.NF.2

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Mid-Year Assessment

1. 4.OA.1 28 sundaes	**2.** 4.OA.2 ☐ $4 + c = 36$ ☑ $4 \times c = 36$ $c = 9$	**3.** 4.OA.3 ☑ $50 ☐ $200 ☐ $350
4. 4.OA.4 $>$	**5.** 4.OA.5 plus 5	**6.** 4.NBT.2 $8{,}000 + 600 + 70 + 5$
7. 4.NBT.3 60,000	**8.** 4.NBT.4 13,364	**9.** 4.MD.6 60°
10. 4.MD.2 10 glasses	**11.** 4.NBT.5 $\begin{array}{c|c|c|c} & 60 & 2 & \\ \hline 10 & 600 & 20 & \underline{620} \\ \hline 7 & 420 & 14 & {}^+\underline{534} \\ \hline & \underline{1020}_{\,+} & \underline{34} & \boxed{1154} \end{array}$	**12.** 4.MD.1 500 cm
13. 4.MD.7 73°	**14.** 4.NBT.6 485	**15.** 4.NF.2 1, 3, 9, 27