Gamma Placement Instructions

This assessment will help determine if this level of Math-U-See is a good place for your child to start. Each level of Math-U-See builds upon the concepts taught in previous levels. Successful placement involves finding the highest level your child has fully mastered and placing them one level above that.

1 Prior to beginning the assessment:

- Understand that the goal isn't to get all the questions correct. We are determining which concepts they have not yet mastered.
- Encourage your child and let them know that this is an assessment and NOT a test.
- Recognize they might already know some of the concepts taught in this level.
- Let your child know there may be questions they don't yet understand.
- Print the assessment and ensure you have a pencil and eraser.
- Your child may want extra paper to work through the questions.

2 Let your child know while taking the assessment:

- If they don't understand or can't do a question have them move to the next one.
- If they want to attempt a question but are not sure they understand it, have them mark it with a happy face.
- If they cannot answer 3 or more questions in a row, it is okay to stop doing this assessment.

3 Grading the assessment:

- A question that your child has marked with a happy face indicates to you that this concept is not completely understood and must be reviewed.
- For incorrect answers, ask your child how they arrived at their answer. If they understand the concept, they should be able to correct the mistake on their own. This is considered a computational error. For the sake of this assessment do not mark this as incorrect.
- If there are only one or two concepts they need to learn or review from a given level, it may be possible to just remediate those and start in the next level higher.

4 Analyzing the results:

Most answers are incorrect or have happy faces.	5 or more answers are incorrect or have happy faces.	Most answers are correct and there are no happy faces.
Have them try the assessement for **Beta**	**Your child is ready for** **Gamma**	**Have them try the assessment for** **Delta**

If you have questions after your child has taken the assessment, please contact us with the results and we will be able to help you determine the best level for them.

Gamma Placement Pre/Post Test

Multiply.

1. 85×26

2. 421×73

3. $509 \times .636$

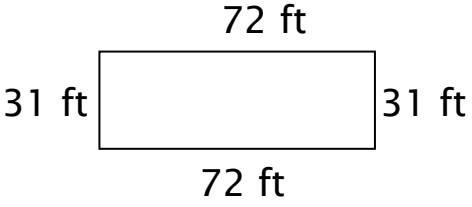
4. $7,546 \times .8$

5. $3,482 \times .59$

6. $6,187 \times .467$

Find the areaand perimeter.

7. area = _____



8. perimeter = _____

Solvefor the unknown.

9. $8B = 64$

10. $9Q = 63$

11. $10X = 100$

Find all the possiblepairs of factors, and tell whether the number is prime or composite.

12. 16 _____ · _____
_____ · _____
_____ · _____
_____

13. 7 _____ · _____
_____

14. 9 _____ · _____
_____ · _____
_____

Write <, >, or = in the oval.

15. $6 \cdot 2 \bigcirc 3 \cdot 4$

16. $9 \cdot 8 \bigcirc 5 \cdot 12$

17. $7 \cdot 6 \bigcirc 9 \cdot 5$

Add.

18.
$$\begin{array}{r} 92 \\ 21 \\ 48 \\ +\ 17 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 163 \\ +\ 54 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 815 \\ +\ 482 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 360 \\ -\ 37 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 529 \\ -\ 168 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 402 \\ -\ 293 \\ \hline \end{array}$$

Fill in the blanks.

24. 6 qt = _____ pt

25. 8 dimes = _____ cents

26. 9 yd = _____ ft

27. 5 Tbsp = _____ tsp

28. 10 nickels = _____ cents

29. 7 gal = _____ qt

30. $2 = _____quarters

31. 4 gal = _____pt

32. 3 lb = _____oz

33. 6 quarters = _____cents

34. 2 miles = _____feet

35. 1 ton = _____lb

36. A room measures 21 feet by 38 feet. Round the dimensions to the nearest ten and estimate the area of the room.

    _____

37. Chuck drove 452 miles a day for three days. Round to the nearest hundred and estimate how far he drove in all.

    _____

38. What is 3,495 rounded to the nearest thousand? _____

39. Write in standard decimal notation: one million, two hundred seventy-one thousand, twenty-eight.

    _____

40. Write in place-value notation: 5,681,900

    _____

    _____

Answer Key

Gamma Placement Pre/Post Test

Multiply.

1.
$$\begin{array}{r} 85 \\ \times\ 26 \\ \hline 510 \\ +\ 170\ \ \\ \hline 2{,}210 \end{array}$$

2.
$$\begin{array}{r} 421 \\ \times\ \ 73 \\ \hline 1263 \\ +\ 2947\ \ \\ \hline 30733 \end{array}$$

3.
$$\begin{array}{r} 509 \\ \times\ \ 636 \\ \hline 3054 \\ 1527\ \ \\ +\ 3054\ \ \\ \hline 323{,}724 \end{array}$$

4.
$$\begin{array}{r} 7{,}546 \\ \times\ \ \ \ 8 \\ \hline 60{,}368 \end{array}$$

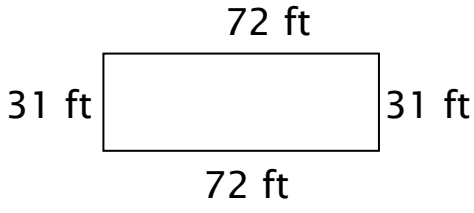
5.
$$\begin{array}{r} 3{,}482 \\ \times\ \ \ 59 \\ \hline 31338 \\ +\ 17410\ \ \\ \hline 205{,}438 \end{array}$$

6.
$$\begin{array}{r} 6{,}187 \\ \times\ \ 467 \\ \hline 43309 \\ 37122\ \ \\ +\ 24748\ \ \\ \hline 2{,}889{,}329 \end{array}$$

Find the areaand perimeter.

7. area = 2,232 square feet

8. perimeter = 206 feet



Solvefor the unknown.

9. $8B = 64$

$B = 8$

10. $9Q = 63$

$Q = 7$

11. $10X = 100$

$X = 10$

Find all the possiblepairs of factors, and tell whether the number is prime or composite.

12. 16

1 · 16

2 · 8

4 · 4

composite

13. 7

1 · 7

prime

14. 9

1 · 9

3 · 3

composite

Write <, >, or = in the oval.

15. $6 \cdot 2 \; (=) \; 3 \cdot 4$

16. $9 \cdot 8 \; (>) \; 5 \cdot 12$

17. $7 \cdot 6 \; (<) \; 9 \cdot 5$

Add.

18.
$$\begin{array}{r} 92 \\ 21 \\ 48 \\ +\ 17 \\ \hline 178 \end{array}$$

19.
$$\begin{array}{r} 163 \\ +\ 54 \\ \hline 217 \end{array}$$

20.
$$\begin{array}{r} 815 \\ +\ 482 \\ \hline 1{,}297 \end{array}$$

21.
$$\begin{array}{r} 360 \\ -\ 37 \\ \hline 323 \end{array}$$

22.
$$\begin{array}{r} 529 \\ -\ 168 \\ \hline 361 \end{array}$$

23.
$$\begin{array}{r} 402 \\ -\ 293 \\ \hline 109 \end{array}$$

Fill in the blanks.

24. 6 qt = 12 pt

25. 8 dimes = 80 cents

26. 9 yd = 27 ft

27. 5 Tbsp = 15 tsp

28. 10 nickels = 50 cents

29. 7 gal = 28 qt

30. $2 = 8 quarters

31. 4 gal = 32 pt

32. 3 lb = 48 oz

33. 6 quarters = 150 cents

34. 2 miles = 10,560 feet

35. 1 ton = 2,000 lb

36. A room measures 21 feet by 38 feet. Round the dimensions to the nearest ten and estimate the area of the room.

800 sq ft

37. Chuck drove 452 miles a day for three days. Round to the nearest hundred and estimate how far he drove in all.

1,500 mi

38. What is 3,495 rounded to the nearest thousand? 3,000

39. Write in standard decimal notation: one million, two hundred seventy-one thousand, twenty-eight.

1,271,028

40. Write in place-value notation: 5,681,900

5,000,000 + 600,000 + 80,000 + 1,000 + 900