

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:

<p>Most answers are incorrect or have happy faces.</p> <p>Have them try the assessment for</p> <p>Gamma</p>	<p>5 or more answers are incorrect or have happy faces.</p> <p>Your child is ready for</p> <p>Delta</p>	<p>Most answers are correct and there are no happy faces.</p> <p>Have them try the assessment for</p> <p>Epsilon</p>
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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.

Delta Placement Pre/Post Test

Divide. Write your remainders if the number does not divide evenly.

1. $4 \overline{)80}$

2. $7 \overline{)53}$

3. $8 \overline{)648}$

4. $5 \overline{)396}$

Divide. Include a fraction in your answer if the number does not divide evenly. Check your answers.

5. $25 \overline{)631}$

6. check for #5

7. $16 \overline{)349}$

8. check for #7

9. $6 \overline{)30458}$

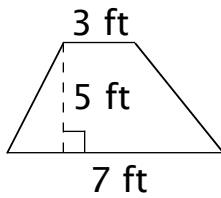
10. check for #9

11.

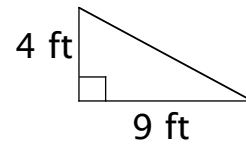
84	5	7	6	4	7

12. check for #11

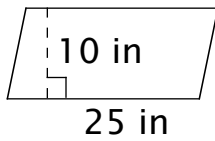
Find the area of each figure.



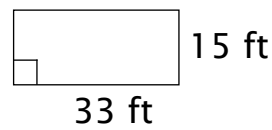
13. $A = \underline{\hspace{2cm}}$



14. $A = \underline{\hspace{2cm}}$

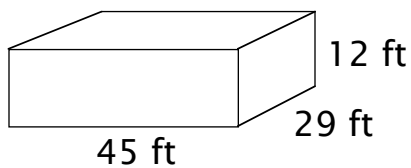


15. $A = \underline{\hspace{2cm}}$



16. $A = \underline{\hspace{2cm}}$

Find the volume of the rectangular solid.



17. $V = \underline{\hspace{2cm}}$

Fill in the blanks.

18. 27 ft = _____ yd

19. 40 pt = _____ qt

20. 20 qt = _____ gal

21. 5 dollars = _____ quarters

22. 4 lb = _____ oz

23. 1 mi = _____ ft

24. 5 tons = _____ lb

25. 36 in = _____ ft

26. 40 ft = _____ in

27. 49 to the nearest ten is _____.

28. 4,009 to the nearest thousand is _____.

29. 459 to the nearest hundred is _____.

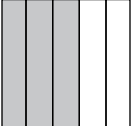
Solve.

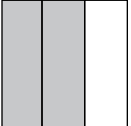
30. $\frac{1}{3}$ of 12 := _____

31. $\frac{3}{7}$ of 21 = _____

32. $\frac{5}{8}$ of 32 := _____

Find the denominators and numerators of fractions represented by the rectangles.

33.  $\frac{\text{numerator}}{\text{denominator}} = \text{_____}$

34.  $\frac{\text{numerator}}{\text{denominator}} = \text{_____}$

35. Write in standard notation:

$$2 \cdot 1,000,000,000 + 5 \cdot 100,000,000 + 4 \cdot 10,000,000 + \\ 3 \cdot 1,000,000 + 9 \cdot 100,000$$

36. Find the average of the numbers: 5, 12, 13, 21, 24 _____

37. What number is represented by the Roman numeral MMCLVIII?

38. Write the given date with Roman numerals: 1975 _____

Delta Placement Pre/Post Test

Divide. Write your remainders if the number does not divide evenly.

$$1. \quad 4 \overline{)80}$$

$$\begin{array}{r} 20 \\ 4 \overline{)80} \\ \underline{80} \\ 0 \end{array}$$

$$2. \quad 7 \overline{)53}$$

$$\begin{array}{r} 7 \text{ r. } 4 \\ 7 \overline{)53} \\ \underline{49} \\ 4 \end{array}$$

$$3. \quad 8 \overline{)648}$$

$$\begin{array}{r} 81 \\ 8 \overline{)648} \\ \underline{640} \\ 8 \\ \underline{8} \\ 0 \end{array}$$

$$4. \quad 5 \overline{)396}$$

$$\begin{array}{r} 79 \text{ r. } 1 \\ 5 \overline{)396} \\ \underline{350} \\ 46 \\ \underline{45} \\ 1 \end{array}$$

Divide. Include a fraction in your answer if the number does not divide evenly. Check your answers.

$$5. \quad 25 \overline{)631}$$

$$\begin{array}{r} 25 \frac{6}{25} \\ 25 \overline{)631} \\ \underline{500} \\ 131 \\ \underline{125} \\ 6 \end{array}$$

6. check for #5

$$\begin{array}{r} 25 \\ \times 25 \\ \hline 125 \\ 10 \\ \hline 625 \\ + 6 \\ \hline 631 \end{array}$$

$$7. \quad 16 \overline{)349}$$

$$\begin{array}{r} 21 \frac{13}{16} \\ 16 \overline{)349} \\ \underline{320} \\ 29 \\ \underline{16} \\ 13 \end{array}$$

8. check for #7

$$\begin{array}{r} 16 \\ \times 21 \\ \hline 16 \\ 32 \\ \hline 336 \\ + 13 \\ \hline 349 \end{array}$$

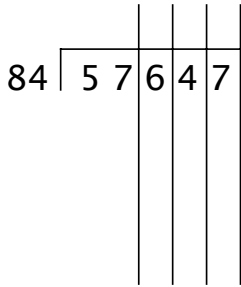
$$9. \quad 6 \overline{)30458}$$

$$\begin{array}{r} 5076 \frac{2}{6} \\ 6 \overline{)30458} \\ \underline{30000} \\ 458 \\ \underline{420} \\ 38 \\ \underline{36} \\ 2 \end{array}$$

10. check for #9

$$\begin{array}{r} 6 \\ \times 5076 \\ \hline 36 \\ 42 \\ 30 \\ \hline 30456 \\ + 2 \\ \hline 30,458 \end{array}$$

11.

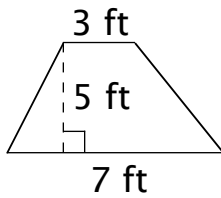


$$\begin{array}{r}
 686 \overline{) 57647} \quad \frac{23}{84} \\
 \underline{50400} \\
 7247 \\
 \underline{6720} \\
 527 \\
 \underline{504} \\
 23
 \end{array}$$

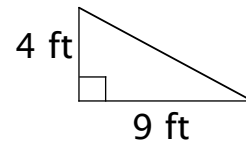
12. check for #11

$$\begin{array}{r}
 686 \\
 \cdot 84 \\
 \hline
 2744 \\
 5488 \\
 \hline
 57,624 \\
 + 23 \\
 \hline
 57,647
 \end{array}$$

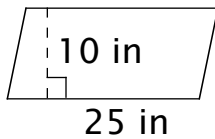
Find the area of each figure.



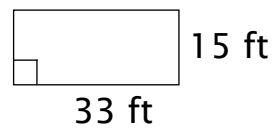
13. $A = \underline{25 \text{ sq ft}}$



14. $A = \underline{18 \text{ sq ft}}$

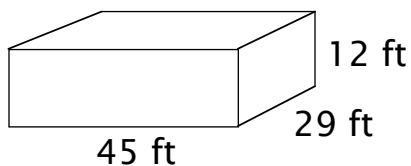


15. $A = \underline{250 \text{ sq in}}$



16. $A = \underline{495 \text{ sq ft}}$

Find the volume of the rectangular solid.



17. $V = \underline{15,660 \text{ cu ft}}$

Fill in the blanks.

18. 27 ft = 9 yd

19. 40 pt = 20 qt

20. 20 qt = 5 gal

21. 5 dollars = 20 quarters

22. 4 lb = 64 oz

23. 1 mi = 5,280 ft

24. 5 tons = 10,000 lb

25. 36 in = 3 ft

26. 40 ft = 480 in

27. 49 to the nearest ten is 50.

28. 4,009 to the nearest thousand is 4,000.

29. 459 to the nearest hundred is 500.

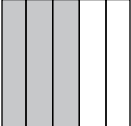
Solve.

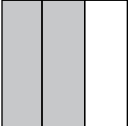
30. $\frac{1}{3}$ of 12 := 4

31. $\frac{3}{7}$ of 21 = 9

32. $\frac{5}{8}$ of 32 := 20

Find the denominators and numerators of fractions represented by the rectangles.

33.  $\frac{\text{numerator}}{\text{denominator}} = \frac{3}{5}$

34.  $\frac{\text{numerator}}{\text{denominator}} = \frac{2}{3}$

35. Write in standard notation:

$$2 \cdot 1,000,000,000 + 5 \cdot 100,000,000 + 4 \cdot 10,000,000 + \\ 3 \cdot 1,000,000 + 9 \cdot 100,000$$

2,543,900,000

36. Find the average of the numbers: 5, 12, 13, 21, 24 15

37. What number is represented by the Roman numeral MMCLVIII?
2,158

38. Write the given date with Roman numerals: 1975 MCMLXXV