

JMJ



St. Patrick Catholic School  
Summer Math Packet  
for rising 7<sup>th</sup> Grade Students

Dear Parents & Students,

Enclosed is a math packet which is required to be completed by students over the summer. The St. Patrick School Math Committee would like to give you some guidance on how to use this math packet.

Please note the following:

- This math packet is meant as a review of the previous year's concepts. No new material is presented here.
- The purpose of this packet is to maintain regular math practice over the summer, so it is not recommended that it be completed all at once.
- The intent is to spread the work out over a 10 week period. Answers for each week are also enclosed for the student to check his/her work and make corrections as necessary.
- Students should complete the work in a notebook or loose leaf paper making sure to label each week, box pages, and number problems, showing work and corrections as they do in class.
- Math packets and the answers will be collected the first week of school.
- If a student struggles with this packet, please let his/her teacher know.

Students may also benefit from visiting the following sites to maintain and improve math fact fluency:

- [Xtramath.org](http://Xtramath.org)
- [Prodigygame.com](http://Prodigygame.com)
- [IXL.com](http://IXL.com)
- [Math-drills.com](http://Math-drills.com)

**K**

**Linear Measurement**

Name \_\_\_\_\_

Time \_\_\_\_\_

Write the abbreviation for each of the following units.

Metric Units

- 1. millimeter \_\_\_\_\_
- 2. centimeter \_\_\_\_\_
- 3. meter \_\_\_\_\_
- 4. kilometer \_\_\_\_\_

U.S. Customary Units

- 5. inch \_\_\_\_\_
- 6. foot \_\_\_\_\_
- 7. yard \_\_\_\_\_
- 8. mile \_\_\_\_\_

Complete each unit conversion.

Metric Conversions

- 9. 1 centimeter = \_\_\_\_\_ millimeters
- 10. 1 meter = \_\_\_\_\_ millimeters
- 11. 1 meter = \_\_\_\_\_ centimeters
- 12. 1 kilometer = \_\_\_\_\_ meters

U.S. Customary Conversions

- 13. 1 foot = \_\_\_\_\_ inches
- 14. 1 yard = \_\_\_\_\_ inches
- 15. 1 yard = \_\_\_\_\_ feet
- 16. 1 mile = \_\_\_\_\_ feet
- 17. 1 mile = \_\_\_\_\_ yards

Conversions between systems

- 18. 1 inch = \_\_\_\_\_ centimeters
- 19. 1 mile  $\approx$  \_\_\_\_\_ meters
- 20. 1 meter  $\approx$  \_\_\_\_\_ inches
- 21. 1 kilometer  $\approx$  \_\_\_\_\_ mile

Write an appropriate unit for each physical reference.

Metric Units

- 22. The thickness of a dime: \_\_\_\_\_
- 23. The width of a little finger: \_\_\_\_\_
- 24. The length of one BIG step: \_\_\_\_\_

U.S. Customary Units

- 25. The width of two fingers: \_\_\_\_\_
- 26. The length of a man's shoe: \_\_\_\_\_
- 27. The length of one big step: \_\_\_\_\_

Arrange each set of units in order from shortest to longest.

- 28. m, cm, mm, km \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 29. ft, mi, in., yd \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Find each equivalent measure.

- 30. 10 cm = \_\_\_\_\_ mm
- 31. 2 m = \_\_\_\_\_ cm or \_\_\_\_\_ mm
- 32. 5 km = \_\_\_\_\_ m
- 33. 2.5 cm = \_\_\_\_\_ mm
- 34. 1.5 m = \_\_\_\_\_ cm or \_\_\_\_\_ mm
- 35. 7.5 km = \_\_\_\_\_ m
- 36.  $\frac{1}{2}$  ft = \_\_\_\_\_ in.
- 37. 2 ft = \_\_\_\_\_ in.
- 38. 3 ft = \_\_\_\_\_ in.
- 39. 2 yd = \_\_\_\_\_ ft
- 40. 10 yd = \_\_\_\_\_ ft
- 41. 100 yd = \_\_\_\_\_ ft

## L

## Liquid Measurement

Name \_\_\_\_\_

Time \_\_\_\_\_

Write the abbreviation for each of the following units.

Metric Units

U.S. Customary Units

1. liter \_\_\_\_\_

3. ounce \_\_\_\_\_

5. quart \_\_\_\_\_

2. milliliter \_\_\_\_\_

4. pint \_\_\_\_\_

6. gallon \_\_\_\_\_

Complete each unit conversion.

Metric Conversions

U.S. Customary Conversions

7. 1 liter = \_\_\_\_\_ milliliters

8. 1 cup = \_\_\_\_\_ ounces

9. 1 pint = \_\_\_\_\_ ounces

10. 1 quart = \_\_\_\_\_ pints

11. 1 gallon = \_\_\_\_\_ quarts

Conversions between systems

12. 1 liter  $\approx$  \_\_\_\_\_ quarts13. 1 gallon  $\approx$  \_\_\_\_\_ liters

Complete each statement.

14. One fourth of a dollar is a quarter, and one fourth of a gallon is a \_\_\_\_\_.

15. A two-liter bottle of soda is a little more than 2 \_\_\_\_\_ or  $\frac{1}{2}$  of a \_\_\_\_\_.

16. "A pint's a pound the world around" means a \_\_\_\_\_ of water weighs about 1 pound.

17. In the United States, gasoline is sold by the \_\_\_\_\_. In other countries, gasoline is sold by the \_\_\_\_\_. A gallon of gasoline is more than \_\_\_\_\_ liters but a little less than \_\_\_\_\_ liters.

18. 2 cups make a \_\_\_\_\_.

19. 2 pints make a \_\_\_\_\_.

20. 2 quarts make a \_\_\_\_\_.

21. 2 half gallons make a \_\_\_\_\_.

22. A gallon of milk will fill \_\_\_\_\_ cups.

23. If you drink 8 cups of water each day, you drink a \_\_\_\_\_ of water.

Find each equivalent measure.

24. 2 liters = \_\_\_\_\_ milliliters

28.  $\frac{1}{2}$  pint (1 cup) = \_\_\_\_\_ ounces25. 2 liter  $\approx$  \_\_\_\_\_ quarts

29. 1 quart (2 pints) = \_\_\_\_\_ ounces

26. 3.78 liters = \_\_\_\_\_ milliliters

30.  $\frac{1}{2}$  gallon = \_\_\_\_\_ quarts

27. 0.5 liters = \_\_\_\_\_ milliliters

31. 1 gallon = \_\_\_\_\_ pints

32. 2 gallons = \_\_\_\_\_ quarts

**N**

**Measurement Facts**

Name \_\_\_\_\_

Time \_\_\_\_\_

1. Draw a segment 1 cm long.
2. Draw a segment 1 in. long.
3. One inch is how many centimeters? \_\_\_\_\_
4. Which is longer, 1 km or 1 mi? \_\_\_\_\_
5. Which is longer, 1 km or  $\frac{1}{2}$  mi? \_\_\_\_\_
6. How many ounces are in a pound? \_\_\_\_\_
7. How many pounds are in a ton? \_\_\_\_\_
8. A dollar bill has a mass of about one \_\_\_\_\_.
9. Your math book has a mass of about one \_\_\_\_\_.
10. On earth a kilogram mass weighs about \_\_\_\_\_ pounds.
11. A metric ton is \_\_\_\_\_ kilograms.
12. On earth a metric ton weighs about \_\_\_\_\_ pounds.
13. The earth rotates on its axis once in a \_\_\_\_\_.
14. The earth revolves around the sun once in a \_\_\_\_\_.

Abbreviations:

- |                     |                 |
|---------------------|-----------------|
| 15. milligram _____ | 19. ounce _____ |
| 16. gram _____      | 20. pound _____ |
| 17. kilogram _____  | 21. ton _____   |
| 18. _____ C         | 22. _____ F     |

Equivalents:

23. 1 gram = \_\_\_\_\_ milligrams
24. 1 kilogram = \_\_\_\_\_ grams
25.  $\frac{1}{2}$  ton = \_\_\_\_\_ pounds
26. \_\_\_\_\_ days = a common year
27. \_\_\_\_\_ days = a leap year
28. \_\_\_\_\_ weeks  $\approx$  a year
29. \_\_\_\_\_ years = a decade
30. \_\_\_\_\_ years = a century
31. \_\_\_\_\_ years = a millennium

How many days are in

- |                         |                 |
|-------------------------|-----------------|
| 32. Jan. _____          | 38. July _____  |
| 33. Feb. _____ or _____ | 39. Aug. _____  |
| 34. Mar. _____          | 40. Sept. _____ |
| 35. Apr. _____          | 41. Oct. _____  |
| 36. May _____           | 42. Nov. _____  |
| 37. June _____          | 43. Dec. _____  |

Write the indicated temperatures.

44. Water boils \_\_\_\_\_ °F 45. \_\_\_\_\_ °C

46. Normal body temperature \_\_\_\_\_ °F 47. \_\_\_\_\_ °C

Cool room temperature 68 °F 48. \_\_\_\_\_ °C

49. Water freezes \_\_\_\_\_ °F 50. \_\_\_\_\_ °C

51. A cubic container 1 cm on each edge has a volume of one \_\_\_\_\_ and can hold one \_\_\_\_\_ of water, which has a mass of one \_\_\_\_\_.

52. A cubic container 10 cm on each edge has a volume of \_\_\_\_\_ cubic centimeters and can hold one \_\_\_\_\_ of water which has a mass of one \_\_\_\_\_.

# WEEK 4

Skill Review: Add/ Subtract/ Multiply/ Divide--Decimals

1. What is the place value of the 3 in 705.83?
2. What digit in 8460.352 is in the thousandths place?
3. What digit is in the tenths place in 392.467?

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When adding and subtracting decimals, line up the place value using zero as a place holder when necessary.

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Add:

4.  $0.3 + 0.2$

5.  $4.86 + 0.84 + 0.3$

6. Subtract:  $0.93 - 0.14$

Add:

7.  $5 + 25.15$

8.  $3.79 + 1 + 2.3$

9. Subtract:  $29.05 - 19$

## WEEK 5

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When multiplying decimals, do NOT line up place value. Multiply numbers as if they were whole numbers. When finished, move the decimal point as many decimal places to the left of the number, as there are in the problem.

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10. Multiply:  $0.51 \times 0.03$

11. Simplify:  $(1.8)^2$

12. Multiply:  $13 \times 0.8$

13. Subtract:  $5 - 1.3$

14. Multiply:  $0.001 \times 0.4$

15. Use digits to write the decimal number ten and eleven thousandths.

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When dividing a decimal by a whole number, move the decimal point up above your division box exactly where it is located inside the box. Divide as usual.

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Divide:

16.  $8 \overline{)2.4}$

17.  $5 \overline{)0.15}$

18. The distance from Margaret's house to school and back is 2.2 miles. How far does she live from school?

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When dividing a decimal number by a decimal number:

1. Move your decimal number in your divisor to create a whole number
  2. However many places you move your divisor, you must also move in your dividend.
  3. Then divide as you would by a whole number.
- 

Divide:

19.  $0.7 \overline{)5.04}$

20.  $0.28 \div 0.07$

21.  $\frac{17}{0.5}$

22.  $0.7 \overline{)4.06}$       [A] 0.51      [B] 5.8      [C] 3      [D] 0.58

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Dividing by 10, 100...move decimal point to the left  
Multiplying by 10, 100...move decimal point to the right

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Divide:

23.  $55.1 \div 100$

24.  $17.8 \div 10$

25.  $2.8 \div 10$

# WEEK 6

Skill Review: Add/ Subtract/ Multiply/ Divide--Fractions

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Adding/ Subtracting Fractions:

1. Change to have Common Denominators
  2. Add/ Subtract across
  3. Denominator stays the same
  4. Simplify/ Reduce
- 

Add:

1.  $\frac{1}{4} + \frac{3}{4}$

2.  $\frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

3. Subtract:  $\frac{4}{7} - \frac{1}{7}$

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When adding/ subtracting mixed numbers:

1. Remain mixed numbers
  2. Find common denominators
  3. Add/ subtract whole numbers
  4. Add/ subtract fractions like usual
  5. Simplify/ Reduce
- 

Add:

4.  $2\frac{1}{3} + 2\frac{5}{6}$

5.  $4\frac{1}{2} + 5\frac{2}{3}$



Add:

6.  $2\frac{2}{3} + 2\frac{3}{4}$

7.  $\frac{1}{6} + \frac{1}{2} + \frac{1}{3}$

8.  $\frac{1}{4} + \frac{5}{6} + \frac{5}{12}$

9.  $1\frac{1}{5} + 1\frac{1}{2} + \frac{5}{4}$

Subtract:

10.  $7 - \frac{2}{3}$

11.  $8 - 2\frac{2}{3}$

12. There were five whole pies on the shelf. The server took  $3\frac{2}{3}$  pies. How many pies were left on the shelf?

# WEEK 7

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Subtracting with regrouping:

1. Common denominators
  2. When bottom fraction is greater than top fraction, borrow from top whole number ( $4 \frac{3}{5}$  becomes  $3 \frac{8}{5}$  because  $5/5 + 3/5 = 8/5$ )
  3. Subtract
  4. Simplify/ Reduce
- 

Subtract:

$$13. \quad 3\frac{1}{7} - 1\frac{4}{7}$$

$$14. \quad 4\frac{1}{3} - 1\frac{2}{3}$$

$$15. \quad 5\frac{1}{6} - 3\frac{5}{6}$$

$$16. \quad 3\frac{1}{2} - 3\frac{2}{5}$$

$$17. \quad 4\frac{1}{5} - 1\frac{1}{3}$$

$$18. \quad 8\frac{1}{2} - 4\frac{3}{4}$$

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Multiplying Fractions:

1. Changed to improper fractions if necessary
  2. Multiply numerators
  3. Multiply denominators
  4. Simplify/ Reduce
- 

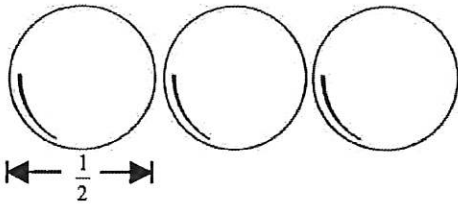
Multiply:

19.  $\frac{2}{7} \times \frac{2}{3}$

20.  $6 \times \frac{3}{5}$

21. Three balls are placed side by side as shown below. The diameter of one ball is  $\frac{1}{2}$  inch.

How long is the row of balls?



Multiply:

22.  $\frac{1}{4} \times 8\frac{1}{8}$

23.  $3\frac{1}{3} \times 4\frac{5}{8}$

Multiply:

24.  $2 \times 4\frac{2}{7}$

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Dividing Fractions:

1. Change to improper fractions if necessary
  2. Multiply by the reciprocal
  3. Example:  $1/2$  divided by  $2/3 = 1/2$  times  $3/2$
  4. Simplify/ Reduce
- 

25. How many quarters are in \$9?

26. The diameter of a marble is  $\frac{3}{2}$  of an inch. How many marbles are needed to make a row of marbles 12 inches long?

27. How many  $\frac{5}{3}$ 's are in 15?

Divide:

28.  $\frac{30}{7} \div 6\frac{1}{4}$

29.  $4\frac{2}{7} \div 3\frac{1}{8}$

30.  $4 \div 2\frac{1}{2}$

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Missing Addend: Subtract

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Find the missing number:

1.  $35 + 17 + 7 + n = 77$

2.  $N + 7 = 45$

3. 
$$\begin{array}{r} t \\ + 16 \\ \hline 80 \end{array}$$

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Missing Minuend (top number): Add

Missing Subtrahend (bottom number): Subtract

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Find the missing number:

4.  $q - 4 = 3$

5.  $N - 12 = 27$

6.  $288 - v = 142$

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Missing Factor: Divide

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Find the missing number:

7.  $12n = 180$

8.  $15 = 5c$

9.  $9 \times v = 72$

---

Missing Dividend (outside the box): Multiply  
Missing Divisor (inside the box): Divide

---

Find the missing number:

10.  $\frac{g}{6} = 3$

11.  $c \div 8 = 9$

12.  $184 \div x = 8$

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Two- step equations require more than one operation to complete. The object is to get the letter standing by itself.

1. First add or subtract the whole number unattached to the letter to both sides.
  2. Divide by the whole number attached to the letter on both sides.
  3. Solve.
- 

Solve:

13.  $4x + 3 = 27$

14.  $2x - 5 = 9$

15.  $24x + 7 = 79$

16.  $10x + 2 = 102$

17.  $10x + 1 = 101$

18.  $3x - 4 = 17$

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Order of Operations:

1. Parenthesis
  2. Exponents
  3. Square Roots
  4. Multiplication/ Division in order of appearance
  5. Addition/ Subtraction in order of appearance
- 

Solve:

1.  $\frac{8+10}{2}$

2.  $(19-7)+4$

3.  $(18 \times 6) \div 2$

4.  $\frac{15+10}{5}$

5.  $24-(4+4)$

6.  $(12 \times 7) \div 4$

Simplify:

7.  $3 \times 8 + 9 - 12 \div 4$

8.  $8 \div 4 + 6 \times 3$

9.  $(0.2 + 0.3) \div (0.5 - 0.4)$

10.  $2 \times 5 + 12 - 12 \div 4$

Simplify:

11.  $9 \div 3 + 3 \times 6$

12.  $(0.3 + 0.41) - (0.4 \times 0.9)$

13.  $6^2 - \sqrt{36}$

14.  $\sqrt{4} + 4^3$

15.  $6^2 - \sqrt{16} - 1 \times 6$

16.  $3^2 - \sqrt{9}$

17.  $\sqrt{16} + 2^3$

18.  $10^2 - \sqrt{4} - 8 \times 7$



# WEEK 10

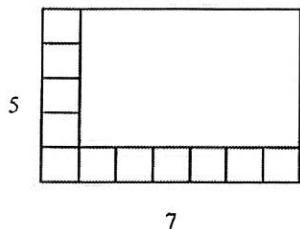
Formulas: Area/ Volume/ Circumference

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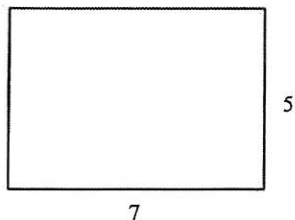
Rectangle/ Square: Area = Length times Width

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1. Altogether, how many square feet does it take to cover this rectangle?



2. One side of a square is 4 inches long.  
(a) Find the perimeter of the square.  
(b) Find the area of the square.
3. Find the area of the rectangle. Dimensions are in centimeters.

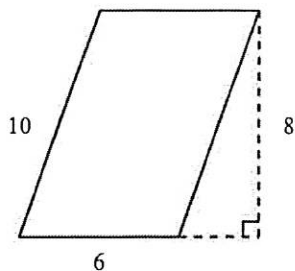


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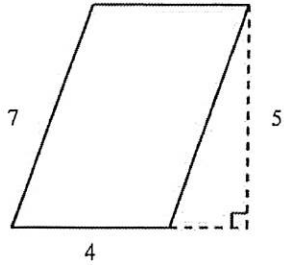
Parallelogram: Area = Base times Height

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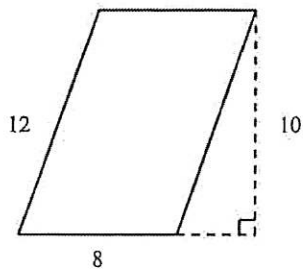
4. Find the area of the parallelogram. Dimensions are in centimeters.



5. Find the area of the parallelogram. Dimensions are in centimeters.



6. Find the area of the parallelogram. Dimensions are in centimeters.

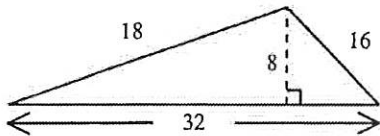


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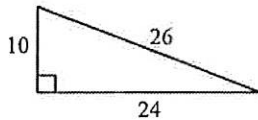
Triangle:  $\text{Area} = \text{Base} \times \text{Height} / 2$

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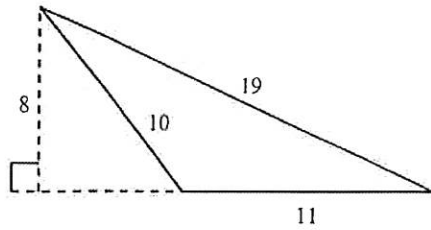
7. Find the area of the triangle. Dimensions are in yards.



8. Find the area of the triangle. Dimensions are in meters.



9. Find the area of the triangle. Dimensions are in feet.

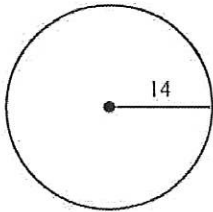


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Circle: Area = Pie times Radius squared

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10. For a circle with a diameter of 54 kilometers, find the area rounded to the nearest hundredth. Use 3.14 for  $\pi$ .
11. Find the area of the circle. Use 3.14 for  $\pi$ . Round to the nearest hundredth. Dimensions are in meters.



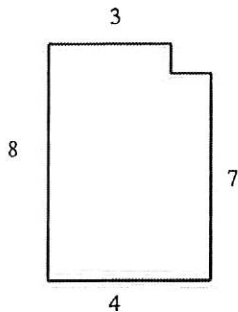
12. Find the area of a circle that has a radius of 10 centimeters. Use 3.14 for  $\pi$ .

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Area of Complex Shapes:

1. Break shape up into squares/ rectangles/ circles/ triangles
  2. Find area of each individual shape
  3. Add together
- 

13. Find the area of the figure. All angles are right angles. Dimensions are in feet.



Name \_\_\_\_\_

Time \_\_\_\_\_

Write the abbreviation for each of the following units.

Metric Units

- 1. millimeter mm
- 2. centimeter cm
- 3. meter m
- 4. kilometer km

U.S. Customary Units

- 5. inch in.
- 6. foot ft
- 7. yard yd
- 8. mile mi

Complete each equivalent measure.

Metric Equivalents

- 9. 1 centimeter = 10 millimeters
- 10. 1 meter = 1000 millimeters
- 11. 1 meter = 100 centimeters
- 12. 1 kilometer = 1000 meters

U.S. Customary Equivalents

- 13. 1 foot = 12 inches
- 14. 1 yard = 36 inches
- 15. 1 yard = 3 feet
- 16. 1 mile = 5280 feet
- 17. 1 mile = 1760 yards

Equivalents between systems

- 18. 1 inch = 2.54 centimeters
- 19. 1 meter  $\approx$  39 inches
- 20. 1 mile  $\approx$  1609 meters
- 21. 1 kilometer  $\approx$   $\frac{5}{8}$  mile

Write an appropriate unit for each physical reference.

Metric Units

- 22. The thickness of a dime: 1 mm
- 23. The width of a little finger: 1 cm
- 24. The length of one BIG step: 1 m

U.S. Customary Units

- 25. The width of two fingers: 1 in.
- 26. The length of a man's shoe: 1 ft
- 27. The length of one big step: 1 yd

Arrange each set of units in order from shortest to longest.

- 28. m, cm, mm, km mm, cm, m, km
- 29. ft, mi, in., yd in., ft, yd, mi

Complete each unit conversion.

- 30. 10 cm = 100 mm
- 31. 2 m = 200 cm or 2000 mm
- 32. 5 km = 5000 m
- 33. 2.5 cm = 25 mm
- 34. 1.5 m = 150 cm or 1500 mm
- 35. 7.5 km = 7500 m
- 36.  $\frac{1}{2}$  ft = 6 in.
- 37. 2 ft = 24 in.
- 38. 3 ft = 36 in.
- 39. 2 yd = 6 ft
- 40. 10 yd = 30 ft
- 41. 100 yd = 300 ft

Name \_\_\_\_\_

Time \_\_\_\_\_

Write the abbreviation for each of the following units.

Metric Units

1. liter = L

2. millimeter = mL

U.S. Customary Units

3. ounce = oz

4. pint = pt

5. quart = qt

6. gallon = gal

Complete each equivalent measure.

Metric Equivalents

7. 1 liter = 1000 milliliters

U.S. Customary Equivalents

8. 1 cup = 8 ounces

9. 1 pint = 16 ounces

10. 1 quart = 2 pints

11. 1 gallon = 4 quarts

Equivalents between systems

12. 1 liter  $\approx$  1.06 quarts

13. 1 gallon  $\approx$  3.78 liters

Complete each statement.

14. One fourth of a dollar is a quarter, and one fourth of a gallon is a quart.

15. A two-liter bottle of soda is a little more than 2 quarts or  $\frac{1}{2}$  of a gallon.

16. "A pint's a pound the world around" means a pint of water weighs about 1 pound.

17. In the USA, gasoline is sold by the gallon. In other countries, gasoline is sold by the liter. A gallon of gasoline is more than 3 liters but a little less than 4 liters.

18. 2 cups make a pint.

19. 2 pints make a quart.

20. 2 quarts make a half gallon.

21. 2 half-gallons make a gallon.

22. A gallon of milk will fill 16 cups.

23. If you drink 8 cups of water each day, you drink a half gallon of water.

Complete each unit conversion.

24. 2 liters = 2000 milliliters

25. 2 liters is about 2 (or 2.12) quarts

26. 3.78 liters = 3780 milliliters

27. 0.5 liters = 500 milliliters

28.  $\frac{1}{2}$  pint (1 cup) = 8 ounces

29. 1 quart (2 pints) = 32 ounces

30.  $\frac{1}{2}$  gallon = 2 quarts

31. 1 gallon = 8 pints

32. 2 gallons = 8 quarts

Name \_\_\_\_\_

Time \_\_\_\_\_

1. Draw a segment 1 cm long. See student work.
2. Draw a segment 1 in. long. See student work.
3. One inch is how many centimeters? 2.54 cm
4. Which is longer, 1 km or 1 mi? 1 mi
5. Which is longer, 1 km or  $\frac{1}{2}$  mi.? 1 km
6. How many ounces are in a pound? 16 oz
7. How many pounds are in a ton? 2000 lb
8. A dollar bill has a mass of about one gram.
9. Your math book has a mass of about one kilogram.
10. On earth, a kilogram mass weighs about 2.2 pounds.
11. A metric ton is 1000 kilograms.
12. On earth, a metric ton weighs about 2200 pounds.

Abbreviations:

- |                             |                                |
|-----------------------------|--------------------------------|
| 13. milligram <u>mg</u>     | 17. ounce <u>oz</u>            |
| 14. gram <u>g</u>           | 18. pound <u>lb</u>            |
| 15. kilogram <u>kg</u>      | 19. ton <u>t</u>               |
| 16. <u>Celsius</u> <u>C</u> | 20. <u>Fahrenheit</u> <u>F</u> |

Equivalents:

21. 1 gram = 1000 milligrams
22. 1 kilogram = 1000 grams
23.  $\frac{1}{2}$  ton = 1000 pounds
24. 365 days = a common year
25. 366 days = a leap year
26. 52 weeks  $\approx$  a year
27. 10 years = a decade
28. 100 years = a century
29. 1000 years = a millenium
30. The earth rotates on its axis once in a day.
31. The earth revolves around the sun once in a year.

How many days are in

- |                                 |                    |
|---------------------------------|--------------------|
| 32. Jan. <u>31</u>              | 38. Jul. <u>31</u> |
| 33. Feb. <u>28</u> or <u>29</u> | 39. Aug. <u>31</u> |
| 34. Mar. <u>31</u>              | 40. Sep. <u>30</u> |
| 35. Apr. <u>30</u>              | 41. Oct. <u>31</u> |
| 36. May <u>31</u>               | 42. Nov. <u>30</u> |
| 37. Jun. <u>30</u>              | 43. Dec. <u>31</u> |

Write the indicated temperatures.

44. Water boils 212 °F 100 °C

45. 100 °C

46. Normal body temperature 98.6 °F

47. 37 °C

Cool room temperature 68 °F

48. 20 °C

49. Water freezes 32 °F

50. 0 °C

51. A cubic container 1 cm on each edge has a volume of one cubic centimeter and can hold one milliliter of water, which has a mass of one gram.

52. A cubic container 10 cm on each edge has a volume of 1000 cubic centimeters and can hold one liter of water which has a mass of one kilogram.

WEEK 4  
ANSWERS

WEEK 5  
ANSWERS

Skill Review: Add/ Subtract/ Multiply/ Divide--Decimals

[1] hundredths

[2] 2

[3] 4

[4] 0.5

[5] 6

[6] 0.79

[7] 30.15

[8] 7.09

[9] 10.05

[10] 0.0153

[11] 3.24

[12] 10.4

[13] 3.7

[14] 0.0004

[15] 10.011

[16] 0.3

[17] 0.03

[18] 1.1 mi

[19] 7.2

[20] 4

[21] 34

[22] [B]

[23] 0.551

[24] 1.78

[25] 0.28

Skill Review: Add/ Subtract/ Multiply/ Divide--Fractions

WEEK 6  
ANSWERS

[1] 1

[2]  $\frac{3}{7}$

[3]  $\frac{3}{7}$

[4]  $5\frac{1}{6}$

[5]  $10\frac{1}{6}$

[6]  $5\frac{5}{12}$

---

[7] 1

---

[8]  $1\frac{1}{2}$

---

[9]  $3\frac{19}{20}$

---

[10]  $6\frac{1}{3}$

---

[11]  $5\frac{1}{3}$

---

[12]  $1\frac{1}{3}$

---



WEEK 7  
ANSWERS

[13]  $1\frac{4}{7}$  \_\_\_\_\_

[14]  $2\frac{2}{3}$  \_\_\_\_\_

[15]  $1\frac{1}{3}$  \_\_\_\_\_

[16]  $\frac{1}{10}$  \_\_\_\_\_

[17]  $2\frac{13}{15}$  \_\_\_\_\_

[18]  $3\frac{3}{4}$  \_\_\_\_\_

[19]  $\frac{4}{21}$  \_\_\_\_\_

[20]  $\frac{18}{5}$  \_\_\_\_\_

[21]  $1\frac{1}{2}$  in. \_\_\_\_\_

[22]  $2\frac{1}{32}$  \_\_\_\_\_

[23]  $15\frac{5}{12}$  \_\_\_\_\_

[24]  $8\frac{4}{7}$  \_\_\_\_\_

[25] 36 \_\_\_\_\_

[26] 8

[27] 9

[28]  $24/35$

[29]  $1\frac{13}{35}$

[30]  $1\frac{3}{5}$

WEEK 8  
ANSWERS

Equations

[1] 18

[17] 10

[2] 38

[18] 7

[3] 64

[4] 7

[5] 39

[6] 146

[7] 15

[8] 3

[9] 8

[10] 18

[11] 72

[12] 23

[13] 6

[14] 7

[15] 3

[16] 10

WEEK 9  
ANSWERS

Order of Operations

[1] 9 \_\_\_\_\_ [17] 12 \_\_\_\_\_

[2] 16 \_\_\_\_\_ [18] 42 \_\_\_\_\_

[3] 54 \_\_\_\_\_

[4] 5 \_\_\_\_\_

[5] 16 \_\_\_\_\_

[6] 21 \_\_\_\_\_

[7] 30 \_\_\_\_\_

[8] 20 \_\_\_\_\_

[9] 5 \_\_\_\_\_

[10] 19 \_\_\_\_\_

[11] 21 \_\_\_\_\_

[12] 0.35 \_\_\_\_\_

[13] 30 \_\_\_\_\_

[14] 66 \_\_\_\_\_

[15] 26 \_\_\_\_\_

[16] 6 \_\_\_\_\_

[1]  $35 \text{ ft}^2$   
\_\_\_\_\_

(a) 16 in.

[2] (b)  $16 \text{ in.}^2$   
\_\_\_\_\_

[3]  $35 \text{ cm}^2$   
\_\_\_\_\_

[4]  $48 \text{ cm}^2$   
\_\_\_\_\_

[5]  $20 \text{ cm}^2$   
\_\_\_\_\_

[6]  $80 \text{ cm}^2$   
\_\_\_\_\_

[7]  $128 \text{ yd}^2$   
\_\_\_\_\_

[8]  $120 \text{ m}^2$   
\_\_\_\_\_

[9]  $44 \text{ ft}^2$   
\_\_\_\_\_

[10]  $2289.06 \text{ km}^2$   
\_\_\_\_\_

[11]  $615.44 \text{ m}^2$   
\_\_\_\_\_

[12]  $314 \text{ cm}^2$   
\_\_\_\_\_

[13]  $31 \text{ ft}^2$   
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_