

## Leon County Schools – Summer Math Worksheets – 6<sup>th</sup> Grade Math

This summer math worksheet is for students entering the 6<sup>th</sup> grade math class. Work the following problems over the summer. Be sure to show ALL your work neatly on a separate sheet of paper.

NO Calculators should be used on this worksheet.

Evaluate each expression:

1.  $1.3 + 0.6$

2.  $3.7 + 4.4$

3.  $6.9 - 2.9 + 1.74$

4.  $6.42 + 5.7 - 7.84$

5.  $6.7 \cdot 5.4$

6.  $6.8 \cdot 3.9$

7.  $9.3 \div 1.5$

8.  $5.7 \div 0.3$

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

10.  $2\frac{3}{4} + 4\frac{3}{8}$

11.  $4\frac{2}{3} - \frac{4}{7}$

12.  $3\frac{7}{8} - 1\frac{1}{6}$

Write each decimal as a percent:

13. 1.94

14. 0.84

15. 0.05

Solve each equation:

16.  $r - 7 = 2$

17.  $3 + p = 11$

18.  $2x = 6$

19.  $\frac{x}{4} = 2$

20.  $w - 8 = 20$

21.  $\frac{a}{8} = 5$

Write the name of each decimal place indicated with the underline.

22. 4,843.392

23. 5.5368491

24. 9,374.2853

Evaluate each expression:

25.  $2 \bullet 2 \bullet 5$

26.  $4 - 9 \div 3$

27.  $17 - 3 \bullet 4 + 2$

28.  $16 \div (5 - 3 + 2)$

29.  $(11 - (6 - 3)) \div 2$

30.  $15 + 12 \div 3 \bullet 5$

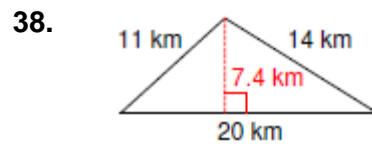
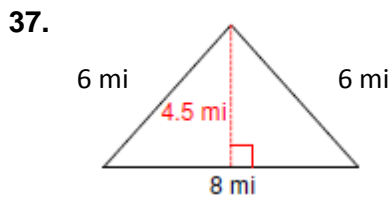
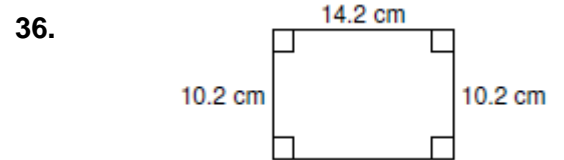
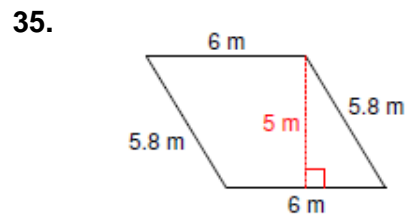
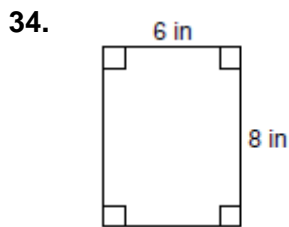
Do the prime factorization for the following:

31. 40

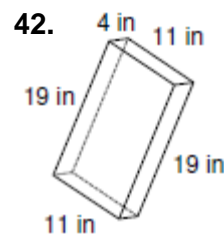
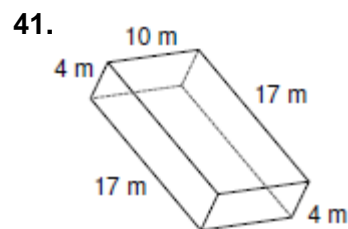
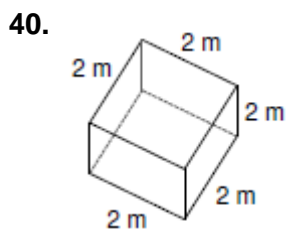
32. 64

33. 48

Find the perimeter AND the area of each polygon:



Find the volume of the following polyhedra:



43. A rectangular prism measuring 10 m long, 7 m wide and 12 m tall.

Leon County Schools – Summer Math Worksheets – 7<sup>th</sup> Grade Math

This summer math worksheet is for students entering the 7<sup>th</sup> grade math class. Work the following problems over the summer. Be sure to show ALL your work neatly on a separate sheet of paper.

NO Calculators should be used on this worksheet.

Simplify:

1.  $2\frac{5}{7} + 1\frac{4}{7}$

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

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

4.  $8\frac{3}{4} - 4\frac{5}{6}$

5.  $9 - 5\frac{4}{7}$

6.  $4\frac{1}{3} - 2\frac{3}{8} + 5\frac{5}{6}$

7.  $(-2) + (-8) + (-4)$

8.  $(-6) - 6$

9.  $(-3) - (-7) + 8$

10.  $8.45 + 3.3 + 6$

11.  $92.35 - 6.384$

12.  $145.6 + 84.56 - 37.384$

13.  $\frac{3}{4} \div 3\frac{3}{5}$

14.  $3\frac{1}{9} \div 2\frac{2}{5}$

15.  $4\frac{2}{9} \div 9\frac{1}{2} + 3\frac{1}{2}$

16.  $4\frac{3}{8} \cdot 1\frac{3}{7}$

17.  $3\frac{1}{2} \cdot 2\frac{2}{3} \cdot 2\frac{1}{7}$

18.  $(-2)(5)(-4)$

19.  $-8 - (-5) \cdot (-7)$

20.  $18 - (-45) \div (-5) \cdot (-3)$

21.  $35.86 \cdot 1.5$

22.  $3.9 \div 6.5$

23.  $0.75 \div 2.4$

24.  $3.8 + 0.45 \cdot 6.78$

25.  $(2 - 8) \div (5 - 2)$

26.  $6 - (3 - 2 + 4) \div 4$

27.  $16 \div ((2 + 4) - (-2))$

Write as a fraction in simplified form:

28. 80%

29. 9.54

30. 2.8

31. 5%

Write as a percent:

32. 0.78

33.  $\frac{3}{8}$

34. 5.4

35.  $2\frac{2}{5}$

Solve each equation:

36.  $-4 = m - 17$

37.  $a + 18 = 7$

38.  $-40 = -8c$

39.  $\frac{w}{18} = 3$

40.  $10 + 8c = 42$

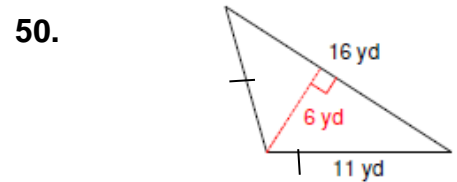
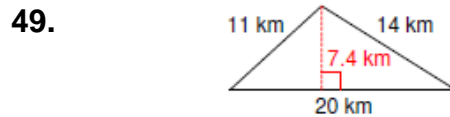
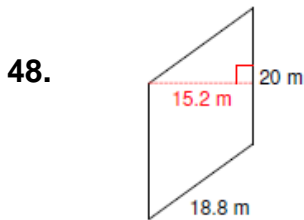
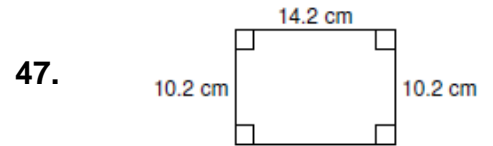
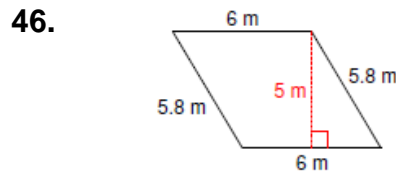
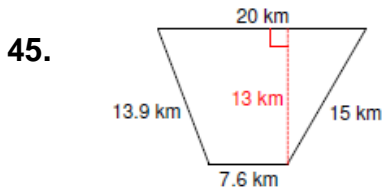
41.  $\frac{v}{2} + 6 = 14$

42.  $\frac{-4}{5}g = 12$

43.  $r - 6.4 = 2.25$

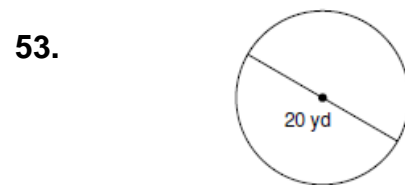
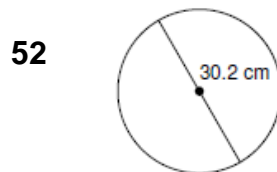
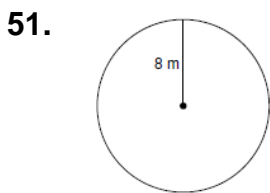
44.  $(-4d) + (-3d) = 28$

Find the perimeter and area of each figure:



(Hint for # 50: the two “marks” on the sides mean that they are equal to each other.)

Find the area and circumference of each circle. Use 3.14 for pi and round to the nearest tenth.



Write the name of each decimal place indicated:

54. 29.87361

55. 3689.2584

56. 24.85419

Write the reciprocal:

57.  $\frac{3}{4}$

58.  $2\frac{4}{5}$

59. 8

60.  $\frac{1}{7}$

# Leon County Schools – Summer Math Worksheets – 8<sup>th</sup> Grade Pre-Algebra

This summer math worksheet is for students entering the 8<sup>th</sup> grade Pre-Algebra class. Work the following problems over the summer. Be sure to show ALL your work neatly on a separate sheet of paper.

NO Calculators should be used on this worksheet.

Simplify:

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

2.  $7 - 3\frac{4}{7}$

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

4.  $5\frac{5}{8} \cdot 2\frac{2}{3}$

5.  $4\frac{3}{5} - 2\frac{2}{3} \div \frac{4}{9}$

6.  $2\frac{4}{7} + 5\frac{1}{3} \div 1\frac{3}{5} \div 4\frac{2}{3}$

7.  $\frac{360}{392}$

8.  $\frac{18}{432}$

9.  $\frac{140ab^2}{560a^2b}$

10.  $4.45 + 3.4 + 7.254$

11.  $8.2 - 3.46$

12.  $1.5 \div 1.2$

13.  $4.9 \cdot 5.32$

14.  $6 - 7.25 \div 2.5 + 3.42$

15.  $6 \cdot (-4) - (-2)$

16.  $6k - 4 + 8k$

17.  $3(m + 8)$

18.  $(-5) - (-8) \cdot 7$

19.  $-5(-2 + 4n)$

20.  $\sqrt{169}$

21.  $\sqrt{36} + \sqrt{81}$

22.  $7m + 5c - 10m - 9c$

23.  $6 \cdot 5 + 18 \div 3$

24.  $7 - (-7c) + 4c$

Write each number as a decimal:

25. 3%

26.  $\frac{2}{25}$

27. 42  $\frac{1}{2}$ %

28.  $\frac{32}{40}$

Write each number as a fraction. Be sure to simplify:

29. 35%

30. 0.28

31. 3.82

32. 8%

Solve for the variable:

33.  $7n + 9 = 86$

34.  $m + 11 = -8$

35.  $-4c - 8 = 24$

36.  $\frac{v}{3} + 5 = 8$

37.  $2m + 6m = -24$

38.  $\frac{c}{-4} + 5 = -9$

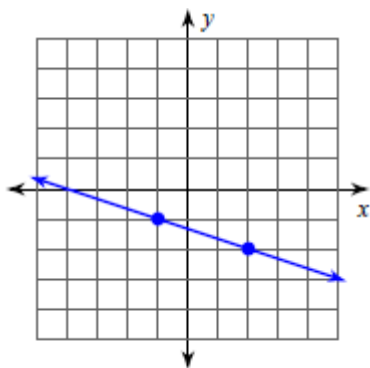
39.  $d - 5 < 12$

40.  $-7c > 21$

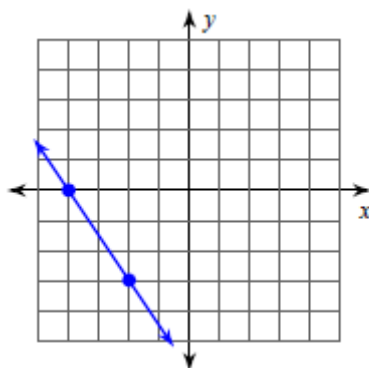
41.  $-4m - 5 < 3$

Find the slope:

42.



43.

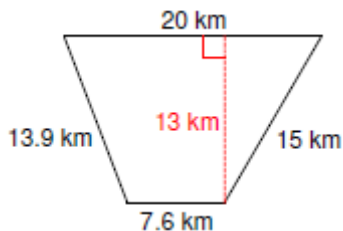


Name the polygon and find the perimeter and area:

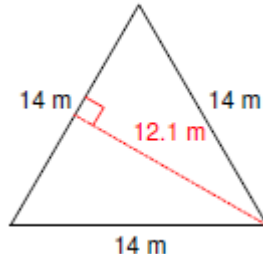
44.



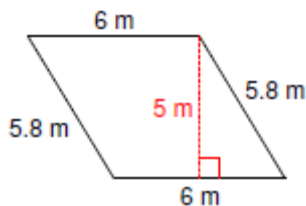
45.



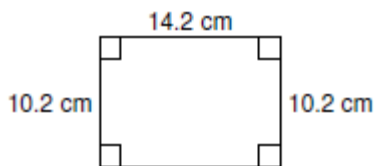
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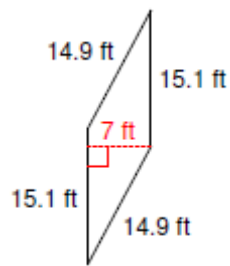
47.



48.



49.

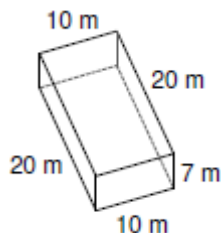


Name the polyhedra and find the volume and surface area:

50.



51.



52.

