# SUMMER MATH 20-21

**Any student placed in Pre-Algebra next year-**

(It will be listed on your course request form for 20-21 in Focus)

Students Entering 8th grade Summer Math

*Worksheet attached*

**OR**

Summer Math for Algebra Students

*Info listed in separate place*

**your choice**

*Pre- Algebra summer math will be due the first week of class for a quiz grade. Show ALL work.*

The Students Entering 8th grade Summer Math worksheet is attached- follow directions listed.

# Leon County Schools – Summer Math Worksheets – 8th Grade Pre-Algebra

**This summer math worksheet is for students *entering* the 8th 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.** $\frac{140\,ab^2}{560\,a^2b}$

**10.** 4.45 + 3.4 + 7.254

**11.** 8.2 – 3.46

**12.** 1.5 ÷ 1.2

**13.** 4.9 · 5.32

**14.** 6 – 7.25 ÷ 2.5 + 3.42

**15.** 6 ·(- 4) – (- 2)

**16.** 6k – 4 + 8k

**17.** 3 (m + 8)

**18.** (- 5) – (- 8) · 7

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

**20.** $\sqrt{169}$

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

**22.** 7m + 5c – 10m – 9c

**23.** 6 · 5 + 18 ÷ 3

**24.** 7 – (-7c) + 4c

**Write each number as a decimal:**

**25.** 3%

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

**27.** 42 ½%

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

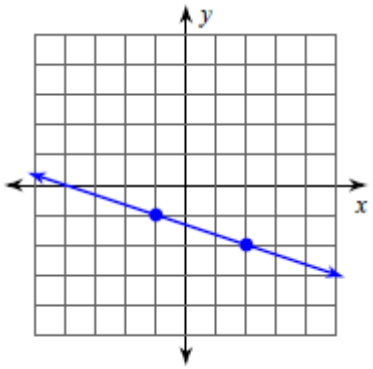
**39.** $d - 5 < 12$

**40.** $-7c > 21$

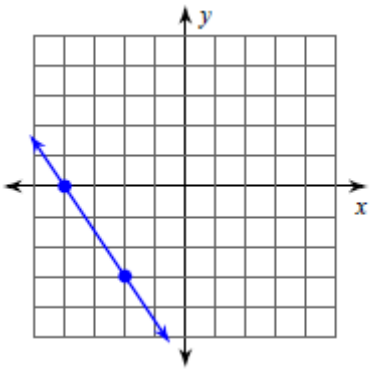
**41.** $-4m - 5 < 3$

**Find the slope:**

**42.**



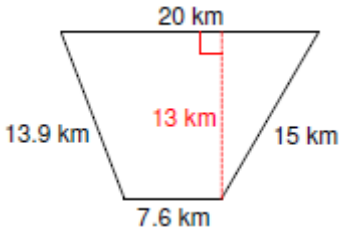

**43.**



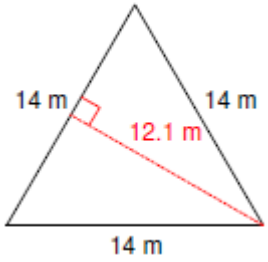

**Name the polygon and find the perimeter and area:**

**44.**

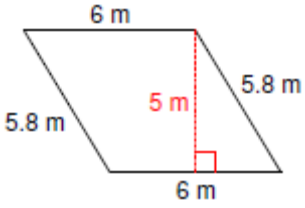

**45.**



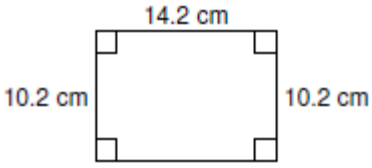

**46.**



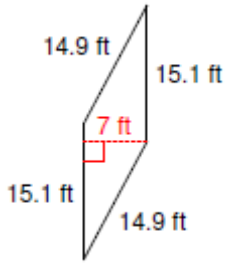

**47.**




**48.**

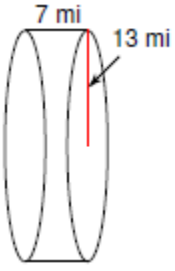



**49.**

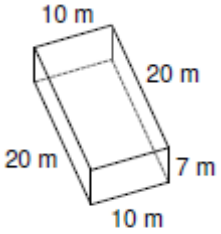



**Name the polyhedra and find the volume and surface area:**

**50.**




**51.**




**52.**