Leon County Schools – Summer Math Worksheets – 6th Grade Math

This summer math worksheet is for students _entering_ the 6th grade math class. Work the following problems over the summer. <u>Be sure to show ALL your work neatly on a separate sheet of paper</u>. Your teacher will ask for this in August for a grade. <u>NO Calculators should be used on this worksheet</u>.

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 x 5.4

6. 6.8 x 3.9

7. 9.3 ÷ 1.5

8. 5.7 ÷ 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. 4,84<u>3</u>.392

23. 5.536<u>8</u>491

24. 9,374.<u>2</u>853

Evaluate each expression:

22. 2 x 2 x 5

23. 4 – 9 ÷ 3

24. 17 - 3 x 4 + 2

25. 16 ÷ (5 – 3 + 2)

26. (11 - (6 – 3)) ÷ 2

27. 15 + 12 ÷ 3 x 5
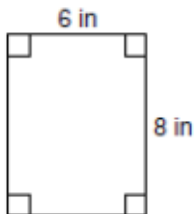
Do the prime factorization for the following:

28. 40

29. 64

30. 48

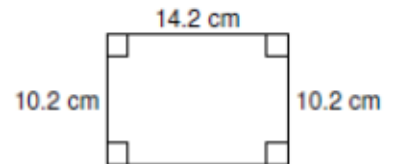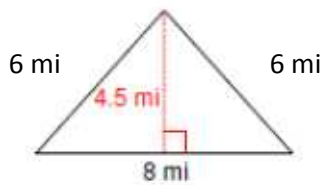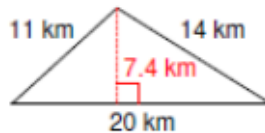**Find the perimeter AND the area of each polygon:**

31.

6 in
8 in

32.

6 m
5.8 m
5.8 m
5 m
6 m

33.

14.2 cm
10.2 cm
10.2 cm

34.

6 mi
6 mi
4.5 mi
8 mi

35.

11 km
14 km
7.4 km
20 km

36.

20 m
15.2 m
18.8 m
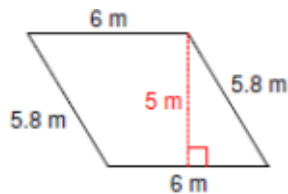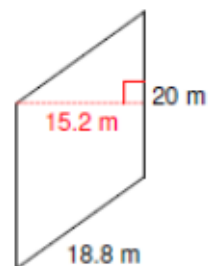
Find the volume of the following polyhedra:

37.

2 m
2 m
2 m
2 m
2 m
2 m

38.

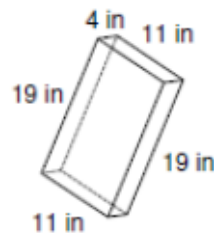10 m
4 m
17 m
17 m
4 m

39.

4 in
11 in
19 in
19 in
11 in
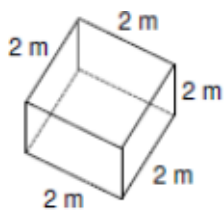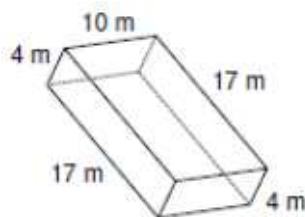
40. A rectangular prism measuring 10 m long, 7 m wide and 12 m tall.