



HOLY SPIRIT

PREPARATORY SCHOOL

Rising 7th Grade

Summer Assignments

Academic Year – 2023-2024

Course Information

Department: STEM: Middle School Mathematics

Class Description: 7th Grade Math

Contact: Mrs. Turmel sturmel@holyspiritprep.org for any questions

Summer Assignment

Learning objectives

- Practice whole number, fraction and decimal skills with addition, subtraction, multiplication, and division.
- Review finding the area and circumference of shapes.

Estimate time of completion

2-3 hours

Details of Assignment

1. Complete the attached problem set. NO CALCULATOR may be used. Please attach work shown with each problem neatly labeled. Write your final answer to each problem on the summer work sheet, next to the problem itself.

Rising 7th Grade

Date _____ Period _____

Evaluate each expression.

1) $(12 \div 4)^2$

2) $4 + 5 \times 5$

3) 2×2^2

4) $6 \times 4 - 6$

Simplify each. Write your answer as a mixed number when possible.

5) $1 \frac{4}{12}$

6) $\frac{36}{30}$

7) $5 \frac{12}{30}$

8) $3 \frac{12}{84}$

Evaluate each expression.

9) $2 - \frac{1}{5}$

10) $\frac{3}{4} + \frac{4}{3}$

11) $\frac{3}{2} - \frac{3}{2}$

12) $\frac{11}{6} - \frac{1}{6}$

13) $1 \frac{2}{3} + 4 \frac{2}{3}$

14) $3 \frac{4}{5} - 1 \frac{1}{5}$

Find each product.

15) $\frac{13}{10} \times \frac{7}{8}$

16) $8 \times \frac{5}{9}$

17) $2 \frac{1}{6} \times 4 \frac{9}{10}$

18) $1 \frac{1}{4} \times 5 \frac{1}{3}$

Find each quotient.

19) $\frac{5}{4} \div \frac{1}{4}$

20) $\frac{3}{4} \div 2$

Write each as a numeral.

21) four hundred and eighty-one hundredths

22) seven hundred and two hundredths

23) three hundred and four tenths

24) eight hundred and six tenths

Round each to the place indicated.

25) 8.02; tenths

26) 6.71; tenths

27) 32,259,748.6; ten thousands

28) 7,730,806; millions

Evaluate each expression.

29) $3.6 - 3.2$

30) $(-6.15) - (-4.3)$

31) $1.2 + (-2.5)$

32) $6.7 + 6.4$

Find each product.

33) -6.6×1.9

34) 0.8×9.4

35) -4.7×7.36

36) 2.5×0.2

Find each quotient.

37) $0.6 \div -0.8$

38) $4.3 \div 4.3$

Write each as a decimal. Round to the hundredths place.

39) 11%

40) 7%

Find the LCM of each.

41) 15, 9

42) 18, 10

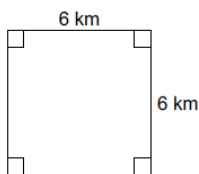
Find the GCF of each.

43) 18, 36

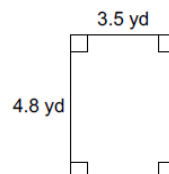
44) 25, 10

Find the area of each.

45)

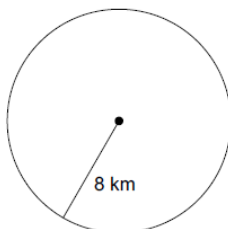


46)

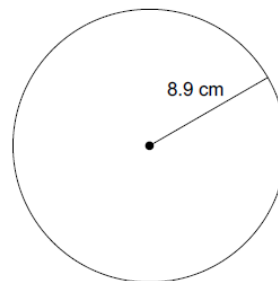


Find the circumference of each circle. Round your answer to the nearest tenth.

47)



48)



49) A recipe for muffins calls for 7 cups of sugar. Emily accidentally put in 10 cups. How many extra cups did she put in?

50) Abhasra spent \$44.82 on diapers. If they cost \$4.98 / package, how many packages did she buy?