



HOLY SPIRIT

PREPARATORY SCHOOL

Rising 6th Grade

Summer Assignments

Academic Year – 2023-2024

Course Information

Department: STEM: Middle School Mathematics

Class Description: 6th Grade Math, 6th Grade Honors 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.

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 6th Grade

Date _____ Period _____

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

1) $\frac{54}{36}$

2) $\frac{140}{80}$

3) $3\frac{12}{24}$

4) $\frac{36}{27}$

Evaluate each expression.

5) $\frac{3}{8} + \frac{4}{3}$

6) $\frac{10}{7} + \frac{3}{4}$

7) $\frac{9}{5} - \frac{7}{5}$

8) $\frac{3}{8} + \frac{13}{8}$

9) $4 - 2\frac{1}{5}$

10) $1\frac{1}{3} - \frac{2}{3}$

Find each product.

11) $\frac{3}{2} \times \frac{13}{10}$

12) $9 \times \frac{3}{5}$

13) $3\frac{1}{2} \times \frac{5}{6}$

14) $5\frac{1}{2} \times 5\frac{1}{2}$

Find each quotient.

15) $9 \div \frac{1}{2}$

16) $\frac{6}{5} \div 4$

Write each as a numeral.

17) four hundred and eighty-one hundredths

18) seven hundred and two hundredths

19) three hundred and four tenths

20) eight hundred and six tenths

Round each to the place indicated.

21) 8.02; tenths

22) 6.71; tenths

23) 32,259,748.6; ten thousands

24) 7,730,806; millions

Evaluate each expression.

25) $3.4 - 0.3$

26) $6.2 + 7.5$

27) $1.5 + 4.9$

28) $2.5 + 1.8$

Find each product.

29) 0.778×5.8

30) 6.6×8.7

31) 5×0.1

32) 4.4×0.8

Find each quotient.

33) $2.7 \div 0.3$

34) $8.9 \div 2$

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

35) 11%

36) 7%

Find the LCM of each.

37) 21, 24

38) 20, 30

39) 33, 17

40) 21, 35