



2024-2025

**SEVENTH GRADE MATH
SUMMER PACKET**

This packet will be due the first week of school and it will be graded.
Please use pencil only and remember: **NO WORK, NO CREDIT!**

Name: _____

Teacher: _____

Grade 7 Mathematics Summer Assignment

Students must show work for ALL PROBLEMS to receive credit for this assignment.

Find the GCF of each.

1) 32, 20

2) 48, 32

3) 50, 40

4) 50, 30

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

5) $\frac{24}{36}$

6) $\frac{20}{32}$

7) $\frac{18}{30}$

8) $\frac{60}{84}$

9) $\frac{20}{40}$

10) $\frac{45}{63}$

Write the name of each decimal place indicated.

11) 3.79289

- A) hundredths
- B) thousandths
- C) ten-thousandths
- D) hundred-thousandths

12) 2.8851

- A) millionths
- B) thousandths
- C) tenths
- D) millions

13) 9.6942

- A) ones
- B) hundredths
- C) tens
- D) hundreds

14) 7.8477

- A) millionths
- B) tenths
- C) thousandths
- D) tens

15) 6.4002

- A) tens
- B) tenths
- C) ten thousands
- D) hundredths

16) 9.46935

- A) thousandths
- B) tenths
- C) hundreds
- D) hundredths

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

$$17) \frac{19}{25}$$

$$18) \frac{22}{25}$$

$$19) \frac{1}{160}$$

$$20) \frac{19}{30}$$

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

$$21) \frac{5}{7}$$

$$22) \frac{11}{24}$$

$$23) \frac{1}{3}$$

$$24) \frac{15}{26}$$

Find each sum. You must show how you added the fractions to get to your answer.

$$25) \frac{5}{7} + \frac{15}{8}$$

$$26) 4\frac{2}{3} + \frac{1}{2}$$

$$27) 7 + \frac{2}{7}$$

$$28) 4\frac{2}{5} + \frac{1}{4}$$

Write each decimal as a fraction or mixed number in simplest form.

29) 0.6

30) 0.45

31) 0.07

32) 3.56

Find each difference. You must show how you subtracted the fractions to get to your answer.

33) $6 - \frac{1}{2}$

34) $2 - \frac{4}{3}$

35) $2 - \frac{7}{4}$

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

Find each product. You must show how you multiplied the fractions to get to your answer.

37) $\frac{3}{2} \times \frac{3}{2}$

38) $\frac{2}{9} \times \frac{1}{7}$

39) $3\frac{7}{10} \times \frac{5}{8}$

40) $4\frac{6}{7} \times \frac{4}{9}$

Find each quotient. You must show how you divided the fractions to get to your answer.

$$41) 5\frac{8}{9} \div \frac{12}{7}$$

$$42) \frac{11}{8} \div \frac{10}{9}$$

$$43) \frac{3}{2} \div \frac{4}{3}$$

$$44) 1\frac{1}{2} \div \frac{1}{3}$$

Find each sum. You must show how you added the decimals to get to your answer.

$$45) 45 + 98.5$$

$$46) 13.5 + 42.2$$

$$47) 1.9 + 0.4$$

$$48) 11.9 + 94.9$$

Find each difference. You must show how you subtracted the decimals to get to your answer.

$$49) 77.6 - 40.6$$

$$50) 56.9 - 6.833$$

$$51) 31.4 - 21.6$$

$$52) 69.59 - 57.7$$

Find each product. You must show how you multiplied the decimals to get to your answer.

53) 7.6×3.9

54) 9.056×11.7

55) 8.8×10.3

56) 0.7×7.3

Find each quotient. You must show how you divided the decimals to get to your answer.

57) $10.5 \div 0.1$

58) $2.87 \div 8.2$

59) $9.8 \div 0.8$

60) $10.4 \div 10$

Evaluate each expression. You must show the steps you completed to get to your answer.

61) $(5 + 1) \times 4 - 2$

62) $(16 - 4) \div 2^2$

63) $2 + 4 - (6 - 4)$

64) $4 + 5 + 6 \times 5$

65) $5 \times 5 - 2 \times 6$

66) $(13 - (7 - 6)) \div 6$

List each data set in order from least to greatest. Then show how you calculated the mean, median, mode, and range.

73) # Words in Book Titles
 3 2 2 3 4 2 3 2
 5 2 3 4 2 3 3

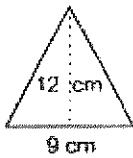
74) Goals in a Hockey Game
 11 6 12 5 6 3 7 4
 8 6 5 6 7 5 5 6
 5

75) Hits in a Round of Hacky Sack
 13 5 5 2 5 5 15 5
 9 3 9 8 6 8 4

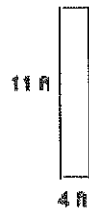
76) Hits in a Round of Hacky Sack
 8 6 4 8 6 6 13 6
 6 6 4 4 8 13 3

Find the area of the following problems.

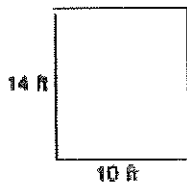
1.)



2.)



3.)



4.)

