

Name _____

Rising 6th Grade

Summer Math Packet – June Problems

Please show your work below.

ANSWERS

1. Simplify: $62 \times 25 =$

1. _____

2. Simplify: $23.8 \times 0.7 =$

2. _____

3. Write the place value for the underlined digit.

a. 19,250

3a. _____

b. 2,154,090.056

3b. _____

c. 32.5089

3c. _____

d. 2,007845

3d. _____

4. Find the greatest common factor of 24 and 80

4. _____

5. Simplify: $\frac{2}{5} + \frac{4}{15} =$

5. _____

6. Round the numbers below to the hundredths place.

a. 2.3647

6a. _____

b. 120.03924

6b. _____

c. 0.9931

6c. _____

d. 63.07523

6d. _____

7. Find the area of a rectangle that has a length of 4cm and a width of 9.2cm.

7. _____

8. Use the order of operations to simplify: $13 + 2 \times 4$

8. _____

9. Find the common denominator to write these in order from least to greatest:

$$\frac{3}{4}, \frac{7}{12}, \frac{5}{6}, \frac{2}{3}$$

9. _____

10. _____

10. Simplify: $2,928 \div 8 =$

11. Multiply using mental math:

a. 45×100

11a. _____

b. $7,041 \times 10$

11b. _____

c. $38 \times 10,000$

11c. _____

d. $6.2 \times 1,000$

11d. _____

12. Simplify the fractions below:

a. $\frac{12}{15}$

12a. _____

b. $\frac{8}{10}$

12b. _____

c. $\frac{44}{72}$

12c. _____

d. $\frac{60}{96}$

12d. _____

13. You bought 3 pounds of apples at \$2.39 per pound. How much change will you receive if you paid with a \$20 bill?

13. _____

14. Insert parentheses to make each statement true.

a. $45 \div 5 + 4 = 5$

14a. _____

b. $9 + 12 \div 3 - 1 = 15$

14b. _____

c. $1 + 6 \times 8 - 3 = 53$

14c. _____

15. Write an equivalent decimal to the following.

a. $\frac{3}{5}$

15a. _____

b. $\frac{11}{20}$

15b. _____

c. $\frac{47}{50}$

15c. _____

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Summer Math Packet – July Problems

Simplify.

1. $8,988 \div 42 =$

1. _____

2. $34.57 + 21.44 + 60.3 =$

2. _____

3. Write the place value for the underlined digit.

a. 412,185,250

a. _____

b. 31,005,235,398

b. _____

c. 0.116823

c. _____

d. 271.487

d. _____

4. Find the Greatest Common Factor of 18, 45 and 72.

4. _____

5. Simplify: $3\frac{1}{10} + 7\frac{2}{3} =$

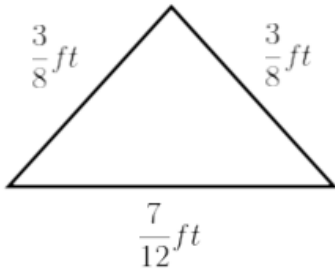
5. _____

6. Simplify: $\frac{9}{25} \times \frac{5}{18} =$

6. _____

7. Find the perimeter of the triangle below.

7. _____



8. Write the following percents as decimals:

a. 30%

8a. _____

b. 83%

8b. _____

c. 42.7%

8c. _____

d. 123%

8d. _____

9. Simplify using the order of operations:

$$32 - 50 \div 5 + 3^2$$

9. _____

10. Simplify the following:

a. $12 + (-5) =$

10a. _____

b. $(-40) + (-11) =$

10b. _____

c. $(-18) + 30 =$

10c. _____

11. Find the volume of a rectangular prism that has a length of 5 meters, width of 2.8 meters and a height of 6.2 meters.

11. _____

12. Divide using mental math:

a. $485 \div 100 =$

12a. _____

b. $39 \div 10 =$

12b. _____

c. $45,883 \div 100 =$

12c. _____

d. $14.2 \div 100 =$

12d. _____

13. Simplify the following:

a. $12 \times (-3) =$

13a. _____

b. $-11 \times (-7) =$

13b. _____

c. $(-7) \times 3 =$

13c. _____

14. A batch of cookies calls for $2\frac{2}{3}$ cups of flour. I want to make 4 batches of cookies, how much flour do I need?

14. _____

15. I bought a drink for \$2.29 and a sandwich. I paid a total of \$9.08 for my drink and sandwich. How much was the sandwich?

15. _____

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Summer Math Packet – August Problems

ANSWERS

1. Simplify: $12 \div \frac{8}{15} =$

1. _____

2. Simplify using the order of operations:

$$41 - 2^3 \times 5 + 11$$

2. _____

3. Simplify each fraction:

a. $\frac{14}{49}$

3a. _____

b. $\frac{48}{64}$

3b. _____

c. $\frac{24}{72}$

3c. _____

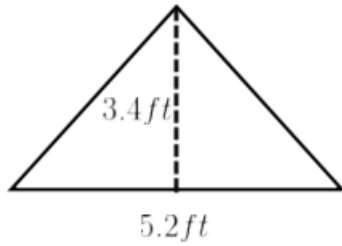
d. $\frac{27}{90}$

3d. _____

4. Find the Greatest Common Factor of 45, 75 and 105.

4. _____

5. To find the area of a triangle, multiply the base times the height and then divide by 2. Find the area of the triangle below.



5. _____

6. Change each mixed number to an improper fraction.

a. $2\frac{1}{8}$

6a. _____

b. $7\frac{4}{5}$

6b. _____

c. $13\frac{2}{5}$

6c. _____

d. $19\frac{11}{20}$

6d. _____

7. Multiply or divide using mental math.

a. $24.58 \div 100$

7a. _____

b. $3.8 \times 1,000$

7b. _____

c. 0.024×100

7c. _____

d. $3.974 \div 1,000$

7d. _____

8. Simplify: $18 \times \frac{3}{8}$

8. _____

9. Write the following fractions as percents.

a. $\frac{81}{100}$

9a. _____

b. $\frac{13}{50}$

9b. _____

c. $\frac{2}{25}$

9c. _____

d. $\frac{17}{20}$

9d. _____

10. Multiply: $32.7 \times 0.83 =$

10. _____

11. Find the GCF and LCM of 45 and 30

11. _____

12. Change the following mixed numbers to improper fractions.

a. $4\frac{3}{5} =$

12a. _____

b. $7\frac{2}{9} =$

12b. _____

c. $11\frac{7}{8} =$

12c. _____

d. $16\frac{2}{3} =$

12d. _____

13. I bought some detergent for \$11.99, bananas for \$1.38, and chips for \$4.29. If I gave the cashier a \$20 bill, how much change did I receive?

13. _____

14. Divide: $\frac{21}{25} \div \frac{9}{10} =$

14. _____

15. To find the circumference of a circle, multiply π times the diameter. Find the circumference of a circle that has a diameter of 5.2 cm. Use 3.14 for π .

15. _____