

Summer Math Packet

Entering Grade 7

(Mrs. Anderson's Grade 6 class only)

Please complete all problems over the 10 weeks of summer.

This packet will count as your 1st grade in Grade 7 Math!!

I have tried to include examples of various types of problems

Always try your best!!

Week 1

- 1) Divide 2100 by 52 and write the answer with a remainder.
- 2) $522 \div 9$
- 3) Myra sold 673 tickets to the school fair. Jacob sold 494 tickets. How many more tickets did Myra sell than Jacob did?
- 4) $41,739 + 8,776$
- 5) $6003 - 215$
- 6) $18423 \div 23$
- 7) $73.04 + 0.306$
- 8) $96.3 - 47.82$
- 9) A movie was 105 minutes. The movie started at 3:15pm. What time did it end?
- 10) Margaret worked 6 days this week. She earns \$125.00 a day. How much did she earn?

Week 2

- 1) 871×96
- 2) What is the greatest common factor (GCF) of 42 and 63?
- 3) What is the greatest common factor of 24, 36 and 48?
- 4) What is the least common multiple (LCM) of 3 and 4?
- 5) What is the least common multiple of 6, 9 and 12?
- 6) Add 789 to the difference of $7022 - 4321$
- 7) Make the following improper fraction a mixed number: $27/4$.
- 8) Reduce this fraction to its simplest form: $12/36$
- 9) $3\frac{3}{4} + 5\frac{1}{4}$
- 10) $4\frac{5}{8} + 2\frac{7}{8}$

Week 3

- 1) $5\frac{1}{6} + 1\frac{1}{2}$
- 2) $6\frac{3}{4} - 1\frac{1}{4}$
- 3) $5/12 - 2/8$
- 4) $10 - 7\frac{5}{6}$
- 5) What is $\frac{3}{4}$ of 36?
- 6) A 15-inch length of ribbon is cut into 4 equal pieces. How long was each piece? (Make sure your answer is written as a mixed number.)
- 7) Change $\frac{5}{8}$ to a decimal number.
- 8) $\frac{2}{3} \times \frac{3}{4}$
- 9) $1\frac{1}{4} \times 2\frac{2}{3}$
- 10) $\frac{2}{3} \times 1\frac{1}{6} \times 2$

Week 4

- 1) $\frac{1}{2} \div \frac{1}{4}$
- 2) $2\frac{1}{4} \div 1\frac{1}{6}$
- 3) What is the sixth number in this sequence: 2, 4, 8, 16 ...?
- 4) Marie rode her bike 5 miles. Tim rode his bike 2.76 miles. How much farther did Marie ride than Tim?
- 5) $0.6349 \div 7$
- 6) $1.5 \div 0.3$
- 7) $0.15 \div 4$
- 8) $\$9 - 9\text{c}$
- 9) $0.2 \times 0.3 \times 0.4$
- 10) Compare: 0.13 _____ 0.130

Week 5

- 1) $0.5 + m = 3.2 + 0.9$
- 2) $720 = 9s$
- 3) $(1.3)^2$
- 4) $6.75 + 0.285 + g = 11.025$
- 5) Add and simplify: $\frac{2}{5} + \frac{4}{5}$
- 6) The length of a rectangle is 20 inches. The width of the rectangle is $\frac{1}{2}$ of its length.
What is the perimeter of the rectangle? (Formula: Perimeter = $(2 \times \text{length}) + (2 \times \text{width})$)
- 7) (12) (55)
- 8) $57.6 - 26.14$
- 9) $47.84 + 12 + 0.4$
- 10) Compare: $\frac{7}{8}$ _____ $\frac{3}{4}$

Week 6

- 1) $4568.9 + 78.431$
- 2) 14.2×8.3
- 3) 4.8×16
- 4) $M - 6\frac{4}{5} = 1\frac{3}{5}$
- 5) List the first eight prime numbers.
- 6) What time is $2\frac{1}{2}$ hours after 11:45am?
- 7) Write the decimal number for twelve and thirteen thousandths.
- 8) $6.25 + (4 - 2.5)$
- 9) $12 \div \frac{3}{4}$
- 10) Arrange these numbers from least to greatest: 0.95; 0.043; 0.321; 0.046

Week 7

- 1) What is the average of 96, 100 and 92?
- 2) Round 87731 to the nearest thousand.
- 3) $\frac{3}{4} + \frac{1}{8}$
- 4) $3\frac{1}{2} + 1\frac{1}{3}$
- 5) $3\frac{5}{6} - 1\frac{1}{6}$
- 6) $7\frac{1}{4} - 1\frac{3}{4}$
- 7) What is the prime factorization of 56?
- 8) $\frac{3}{5} \times \frac{1}{3}$
- 9) $1\frac{1}{5} \times 2\frac{1}{3}$
- 10) $\frac{2}{3} \div \frac{1}{2}$

Week 8

1. $7^2 + 5^2$
2. $678 \div 5$ (List your answer as a mixed number.)
3. $4\frac{1}{2} \div 3\frac{1}{3}$
4. $38.1 + 87.38$
5. $123.4 - 56.78$
6. 25.2×0.17
7. $36.4 \div 4$
8. Solve: $95 - a(b + c)$, when $a = 9$, $b = 3$, and $c = 7.4$
9. $H + 55 + 1.93 = 98.7$
10. Rename $\frac{6}{25}$ as a decimal.

Week 9

1. $1.2 \div 0.04$
2. $9m = 306$
3. Round the product of 0.24 and 0.26 to the nearest hundredth.
4. Rename $\frac{2}{3}$ and $\frac{3}{4}$ as fractions with a denominator of 12. Then add the renamed fractions. Write the sum as a mixed number.
5. $7\frac{1}{2} - 4\frac{3}{4}$
6. $2 - \frac{4}{5}$
7. Mrs. Dennis bought 32 boxes of pencils for her math class. In all, she bought 896 pencils. If each box held the same number of pencils, how many pencils were in each box?
8. Mrs. Lee bought 6 computers for the library for \$8292. Each computer cost the same amount. How much did each computer cost.
9. Write the numeral for twenty-one million, two hundred eighty-six thousand.
10. 246×357

Week 10

- 1) $1\frac{1}{2} + 2\frac{1}{4} + 3\frac{1}{8}$
- 2) $\frac{3}{4} \times 1\frac{3}{5} \times \frac{1}{3}$
- 3) If $A = L \times W$, and if $L = 1.5$ and $W = 0.75$, what does A equal?
- 4) Find the prime factorization of 84. Write your answer using exponents
- 5) Compare: $6^2 + 8^2$ _____ 10^2
- 6) Julie bought a DVD for 18.95. She paid with a \$50.00 bill. How much was her change?

7) How many doughnuts are $\frac{2}{3}$ of 2 dozen?

8) $1\frac{1}{8} \times \frac{1}{3} \times 1\frac{3}{4}$

9) Compare: 0.012 _____ 0.12

10) Compare $\frac{5}{6} + \frac{1}{3}$ _____ $\frac{5}{8} + \frac{1}{4}$