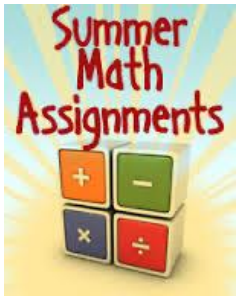
Summer Math Packet

Rising Sixth Graders for 2026-2027



This is your child's summer math packet. The material contained in this packet is a review of the skills from 5th grade. Please have your child complete this work over the summer. Feel free to assist some, if your child needs help. The math packets are due on the second day of school.

Please practice addition and subtraction families (0-18) along with the multiplication and division facts (0-12). Most mistakes are due to not knowing the math facts or making careless mistakes with them.

*** All students must know their multiplication facts through 12's.***

WE 

Learning math is similar to learning a sport. Practice is necessary to improve your skills. This packet has been developed to provide much needed math practice over the summer months. Most of these problems should be familiar to you; however, if you have forgotten some of these skills, you may receive help from one of the following: a friend, your parents, a tutor, or any educational website- example: www.khanacademy.com. Please remember you are responsible for your understanding of the material in this packet.

Please do not copy someone else's answers or work as this would be a violation of the Briarcrest Honor Code.

Guidelines and Expectations:

1. NO CALCULATORS should be used
2. PENCILS ONLY
3. SHOW ALL WORK NEATLY ON THE PACKET in PENCIL in the space provided beside/around each problem.
4. Packet will be checked and graded as a COMPLETION GRADE on the second day of school in August. ***PLEASE NOTE: ALL WORK MUST BE SHOWN to receive a 100% completion grade.***
5. **We will review the summer packets in class and have a quiz over this material within the first two weeks of school.**

Name: _____



6th Grade Summer Math Packet

You may work directly on this sheet or on a piece of notebook paper. All work must be shown. If you use a piece of notebook paper, please attach it to the back of the packet and label each section and number your questions. Please use a pencil.

Section 1: Rounding Decimals

Round the following decimals to the nearest tenth and hundredth.

1. 6.438

2. 12.987

3. 4.205

4. 9.8765

5. 3.1416

Section 2: Rounding to the Nearest Cent

Round each amount to the nearest cent (two decimal places).

1. $4.326

2. $8.999

3. $2.005

4. $11.457

5. $0.994

Section 3: Decimal Operations

Line up accordingly & solve the following:

1. 5.34 + 3.21

2. 8.75 - 2.67

3. 4.3 × 2.1

4. 7.2 ÷ 3

5. 125.64 ÷ 12

6. 78.45 × 6

7. 15.63 + 8.49

8. 34.8 - 19.34

Section 4: Subtracting 4-digit Numbers (Regrouping)

Line up accordingly & solve the following:

1. 4827 - 2694

2. 7000 - 3895

3. 6012 - 4987

4. 8234 - 7423

5. 9999 – 5643



Section 5: Exponents

1. 3^2 _____

2. 5^3 _____

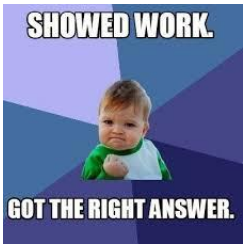
3. 2^4 _____

4. 10^2 _____

5. 4^3 _____

Section 6: Order of Operations

1. $3 + 2 \times 4$



2. $(37 - 17) \times (240 \div 20) - 22 \times 4$

3. $9 \times (12 - 8) + 28 \div 7$

4. $9 \times 3 + (20 - 18) \times 4 - 8$

5. $2 \times (6 + 2^2)$

Section 7: Prime and Composite Numbers

Identify if each number is Prime or Composite:

1. 29 _____

2. 36 _____

3. 17 _____

4. 44 _____

5. 13 _____

Section 8: Rules of Divisibility

State whether each number is divisible by 2, 3, 5, or 10:

1. 60 _____

2. 45 _____

3. 82 _____

4. 100 _____

5. 33 _____

Section 9: GCF and LCM

Find the GCF and LCM of each pair:

1. 12 and 18 → GCF: _____ LCM: _____

2. 20 and 30 → GCF: _____ LCM: _____

3. 8 and 32 → GCF: _____ LCM: _____

4. 15 and 25 → GCF: _____ LCM: _____

5. 9 and 27 → GCF: _____ LCM: _____

Section 10: Prime Factorization

Use a factor tree to find the prime factorization of each number.

1. 36 =

2. 48 =

3. 60 =

4. 100 =

5. 72 =

Section 11: Simplifying Fractions

1. $\frac{12}{16}$ =

2. $\frac{15}{45}$ =

3. $\frac{20}{30}$ =

4. $\frac{18}{27}$ =

5. $\frac{36}{48}$ =

Section 12: Comparing Fractions

Use <, >, or = to compare the fractions:

1. 3/4 ___ 2/3

2. 5/6 ___ 4/5

3. 1/2 ___ 3/6

4. 7/8 ___ 6/7

5. 2/5 ___ 1/3

Section 13: Adding and Subtracting Fractions

1. $\frac{1}{4} + \frac{2}{4}$



2. $\frac{3}{5} - \frac{1}{5}$

3. $\frac{2}{3} + \frac{1}{6}$

4. $\frac{5}{8} - \frac{3}{4}$

5. $\frac{3}{10} + \frac{2}{5}$

Section 14: Mixed Number Operations

1. $2\frac{1}{4} + 3\frac{1}{2}$

2. $4\frac{2}{3} - 1\frac{1}{3}$

3. $5\frac{3}{8} + 2\frac{5}{8}$

4. $6\frac{1}{2} - 2\frac{2}{3}$

5. $3\frac{3}{4} + 1\frac{1}{4}$

Section 15: Multiplying and Dividing Fractions

1. $\frac{2}{3} \times \frac{3}{4}$

2. $\frac{5}{6} \div \frac{1}{2}$

3. $\frac{7}{8} \times \frac{4}{5}$

4. $\frac{3}{10} \div \frac{2}{3}$

5. $\frac{6}{7} \times \frac{1}{3}$