

## **Summer Math Practice for Students Entering 8<sup>th</sup> Grade**

Work the following sets of problems over the summer. Be sure to show all your work on a separate sheet of paper. Remember: **NO** calculators should be used for any of these problems. Do Set 1 in June, Set 2 in July and Set 3 in August. Be prepared to turn in this assignment and work to your math teacher next school year when they request it.

### **Set 1**

1.  $327 + 558$
2.  $152 - 67$
3.  $307 \times 15$
4.  $2058 \div 2$
5.  $3.48 + 12$
6.  $37.96 - 7.9$
7.  $0.3 \times 0.3$
8.  $1058 \div 0.2$
9.  $3\frac{2}{6} + 4\frac{4}{6}$
10.  $8\frac{1}{2} + 3\frac{1}{3}$
11.  $\frac{1}{3} \times \frac{2}{3}$
12.  $\frac{2}{3} \div \frac{1}{2}$
13. Round 4.533 to the nearest whole number
14. Simplify  $12 - 9 \div 3$
15. Evaluate  $t + 5.6$  if  $t = 18$
16. Solve  $17 + x = 29$
17. Solve  $\frac{s}{6} = \frac{a}{30}$
18. Give the area and perimeter of a rectangle with length = 5 cm and width = 3 cm
19. Write  $\frac{1}{4}$  as a percent
20. Find 20% of 30

### **Set 2**

1.  $4129 + 783$
2.  $403 - 294$
3.  $225 \times 70$
4.  $1008 \div 28$
5.  $5.8 + 132.73$
6.  $132.73 - 5.5$
7.  $2.7 \times 1.6$
8.  $112.5 \div 2.5$
9.  $2\frac{1}{2} + 3\frac{1}{3}$
10.  $7 - 4\frac{1}{3}$
11.  $\frac{3}{4} \times 20$
12.  $2 \div \frac{1}{5}$
13. Round 5.729 to the nearest tenth
14. Simplify:  $9^2 - 8 \div 2 \times 2$
15. Evaluate:  $a + 8\frac{1}{2}$  if  $a = 5$
16. Solve:  $x - 13 = 9$
17. Solve:  $\frac{s}{20} = \frac{a}{10}$
18. Give the measure of the angle that is complementary to an angle that measures  $71^\circ$
19. Write  $\frac{5}{8}$  as a decimal
20. Find the GCF and LCM of 10 and 12

### **Set 3**

1.  $1076 + 784$
2.  $1952 - 825$
3.  $892 \times 49$
4.  $624 \div 12$
5.  $37.96 + 7.9$
6.  $12 - 3.48$
7.  $3.72 \times 5.8$
8.  $31.32 \div 8.7$
9.  $5\frac{3}{4} + 4\frac{2}{3}$
10.  $12\frac{3}{8} - 9\frac{3}{4}$
11.  $4 \times 7\frac{1}{8}$
12.  $1\frac{1}{8} \div \frac{3}{5}$
13. Round 5.729 to the nearest hundredth
14. Simplify:  $(29 - 2) \div 3 + 6$
15. Evaluate  $2m$  if  $m = 7.2$
16. Solve:  $5y = 45$
17. Solve:  $\frac{s}{15} = \frac{6}{m}$
18. Give the geometric term for an angle with measure  $32^\circ$
19. Write 0.95 as a fraction in lowest terms
20. Find the prime factorization of 60