# Summer Math Practice for Students Entering 8th 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. $3\frac{5}{6} + 4\frac{5}{6}$
10. $8\frac{1}{2} + 3\frac{1}{3}$
11. $\frac{1}{3} \times \frac{3}{5}$
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 $\frac{5}{6} = \frac{x}{30}$
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: $\frac{5}{20} = \frac{n}{10}$
18. Give the measure of the angle that is complementary to an angle that measures $71^0$
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: $\frac{5}{15} = \frac{6}{m}$
18. Give the geometric term for an angle with measure $32^0$
19. Write 0.95 as a fraction in lowest terms
20. Find the prime factorization of 60