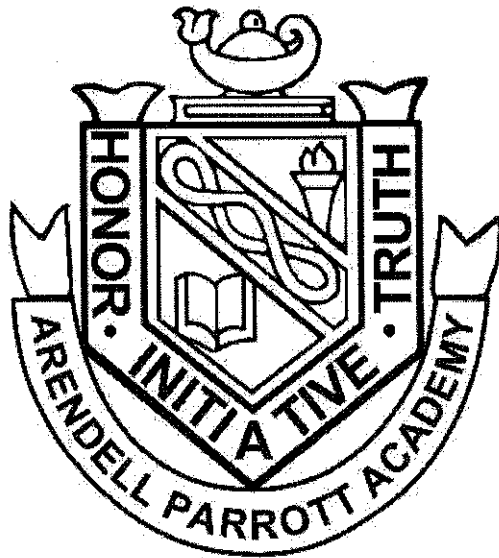




Summer Math Packet
For rising 7th graders

Printed Name: _____

6th grade math review for rising 7th graders at APA

Week one

1. $793 + 817 =$
2. $88,473 + 277 =$
3. $49 + 813 + 551 =$
4. $9,000 - 877 =$
5. $7,321 - 5987 =$
6. $15 \times 27 =$
7. $380 \times 125 =$
8. $55 \times 44 =$
9. $475 \div 25 =$
10. $714 \div 42 =$

Order of Operations:

11. $14 - (5 + 7) =$
12. $12 - 2 \times 3 =$
13. $2 \times 3 + 9 \times 2 =$
14. $8 \times 10^3 =$
15. $30 - 4 \times 2 + 8 =$
16. $3 + 5(17 + 23) =$
17. $4(36 + 14) - 100 =$
18. $7 \times 6 - (14 + 16) =$
19. $3 \times 4 - 3^2 =$
20. $(80 \div 10) - 2^3 =$

Substitute and Solve (a=4, b=5, c=15, and d=1)

21. $6a + c =$
22. $444 - abc =$
23. $a^3 + 3 =$
24. $4b^2 =$
25. $(a + 2d) \div 3 =$

Week 2- Decimal addition and subtraction

1. $3.78 + 0.21 =$
2. $42.07 + 38.78 =$
3. $13.2 + 93 =$
4. $80.1 + 0.32 =$
5. $1.245 + 10 =$
6. $0.889 + 0.3 =$
7. $104.98 + 3.203 =$
8. $1.245 + 2.54 =$
9. $1000 + 0.7 =$
10. $0.8 + 2.02 =$
11. $42.07 - 38.78 =$
12. $5.86 - 1.28 =$
13. $42.3 - 8.76 =$
14. $104.9 - 8.76 =$
15. $20 - 4.3 =$
16. $22.2 - 1.459 =$
17. $0.889 - 0.23 =$
18. $100 - 3.87 =$
19. $17 - 0.394 =$
20. $143.7 - 8.9073 =$

Week 3

1. $1.32 \times 4 =$
2. $0.4 \times 0.7 =$
3. $1.5 \times 0.27 =$
4. $380 \times 1.25 =$
5. $0.44 \times 55 =$
6. $42 \times 0.17 =$
7. $1.9 \times 6.23 =$
8. $0.23 \times 2 =$
9. $4.527 \times 10 =$
10. $0.003 \times 4.82 =$
11. $9.81 \div 0.3 =$
12. $5.76 \div 3.2 =$
13. $38.57 \div 0.19 =$

Multiplying by decimals:

Multiply, count the total decimal places in the factors and then put the decimal in the product.

14. $90.175 \div 2.5 =$
15. $2.475 \div 3 =$
16. $85 \div 0.5 =$
17. $812 \div 0.04 =$
18. $180 \div 3.6 =$
19. $14.4 \div 12 =$
20. $2,445.3 \div 3.3 =$

Week 4

1. $(-13) + (-72) =$
2. $73 + (-67) =$
3. $(-49) + (-82) =$
4. $16 + 39 =$
5. $(-87) + 52 =$
6. $97 + (-82) =$
7. $16 + 17 + (-30) =$
8. $(-18) + 12 + 18 =$
9. $(-17) + (-17) + (-17) + 51 =$
10. $139 + (-500) =$
11. $(-18) - (-30) =$
12. $53 - (-16) =$
13. $(-37) - (+43) =$
14. $30 - (+12) =$
15. $(-16) - (-300) =$
16. $340 - (+400) =$
17. $(-160) - (-160) =$
18. $97 - (+39) =$
19. $(-52) - (+14) =$
20. $(-16) - (+37) + (14) - (-4) =$

Adding integers:

Like signs: add and keep the sign.

Different signs: subtract and keep the sign of the larger digit.

Subtracting integers:

The 1st digit stays the same, change subtraction to addition, and write the opposite of the number following the subtraction sign. Then, use your addition rules.

Week 5

1. $5(-2) =$
2. $(-11)(-7) =$
3. $(-50)(0) =$
4. $5(-12) =$
5. $6(100) =$
6. $2(-2)(-5) =$

When multiplying and dividing, count your negative signs. Odd number of negatives=negative answer. Even number of negatives=positive answer.

7. $3(-13) =$
8. $(14)^2 =$
9. $(-4)(-1)(-60) =$
10. $(-3)(2)(-4) =$
11. $14 \div (-2) =$
12. $-56 \div (-7) =$
13. $(-25) \div 5 =$
14. $(-42) \div (-7) =$
15. $81 \div 9 =$
16. $144 \div (-12) =$
17. $(-99) \div 9 =$
18. $121 \div (-11) =$
19. $(-132) \div (-12) =$
20. $(-72) \div 9 =$

Week 6

Change the following to improper fractions:

1. $4\frac{2}{3}$
2. $8\frac{9}{10}$
3. 5
4. $7\frac{2}{9}$
5. $16\frac{1}{3}$

Change the following to mixed numbers:

6. $\frac{18}{4}$
7. $\frac{17}{2}$
8. $\frac{121}{7}$
9. $\frac{483}{10}$
10. $\frac{67}{6}$

Write the following numbers as fractions or mixed numbers:

11. 0.3

12. 4.13

13. 0.27

14. 1.181

15. 0.473

Write the following as decimals:

16. $\frac{7}{8}$

17. $\frac{2}{3}$

18. $\frac{3}{20}$

19. $5\frac{1}{6}$

20. $11\frac{1}{11}$

Week 7

Adding and subtracting fractions require a common denominator. Don't forget to simplify all answers.

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

2. $\frac{5}{8} + \frac{7}{8} + \frac{3}{8} =$

3. $\frac{11}{24} + \frac{7}{24} =$

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

5. $\frac{7}{10} + \frac{4}{5} =$

6. $\frac{8}{9} + \frac{7}{8} =$

7. $\frac{3}{5} + \frac{5}{6} =$

8. $\frac{3}{11} + \frac{5}{33} =$

9. $\frac{5}{16} + \frac{7}{8} + \frac{1}{12} =$

10. $\frac{2}{3} + \frac{3}{5} + \frac{5}{6} =$

Subtraction

11. $\frac{11}{15} - \frac{4}{15} =$

12. $\frac{17}{18} - \frac{5}{18} =$

13. $\frac{17}{20} - \frac{13}{20} =$

14. $7/8 - 1/3 =$
15. $9/20 - 1/4 =$
16. $7/8 - 2/3 =$
17. $11/12 - 1/7 =$
18. $15/16 - 11/12 =$
19. $17/20 - 3/5 =$
20. $23/25 - 7/20 =$

Week 8

1. $5/16 \times 2/3 =$
2. $8/9 \times 9/16 =$
3. $15/16 \times 8/25 =$
4. $11/12 \times 6/7 =$
5. $3/5 \times 1/12 =$
6. $5/6 \times 15/16 =$
7. $6/14 \times 12/18 =$
8. $7/15 \times 3/21 =$
9. $11/20 \times 44/55 =$
10. $4/5 \times 3/4 =$

Dividing fractions- remember to keep the 1st fraction, change the division sign to multiplication, and flip the 2nd fraction.

11. $7/10 \div 3/8 =$
12. $3/5 \div 2/5 =$
13. $3/8 \div 7/10 =$
14. $5/9 \div 2/5 =$
15. $2/3 \div 3/2 =$
16. $4/7 \div 6/7 =$
17. $1/2 \div 7/8 =$
18. $1/3 \div 5/6 =$
19. $2/3 \div 8 =$
20. $8/9 \div 5/6 =$

Week 9

Change the fractions to percents:

1. $\frac{7}{8} =$
2. $\frac{2}{3} =$
3. $\frac{9}{20} =$
4. $\frac{4}{9} =$
5. $\frac{27}{50} =$

Change the percents to fractions or mixed numbers:

6. $17\% =$
7. $84\% =$
8. $130\% =$
9. $49\% =$
10. $500\% =$

Use the formula: $\frac{\%}{100} = \text{is/of}$

11. What is 20% of 300?
12. 38 is what percent of 50?
13. What percent of 7 is 42?
14. 90% of 40 is what number?
15. 75% of what number is 12?
16. What number is 65% of 200?
17. 12 is 600% of what number?
18. What is 50% of 36?
19. What number is 80% of 500?
20. 250% of 44 is what number?

Week 10

1. What is the simplest figure in geometry?
2. What remains equal distance apart and never intersects?
3. What is the general term for four-sided figure?
4. What has one endpoint and continues infinitely in one direction?
5. What is measured in degrees?
6. What is a segment drawn inside a polygon to connect any two nonconsecutive vertices?
7. What is the distance around the outside of a polygon?

8. All points equal distance from a center?
9. What is a polygon with all sides and angles congruent?
10. What is the total number of degrees in a triangle?
11. What is the complement for a 23 degree angle?
12. What is the distance from center to a side in a circle?
13. What is the amount of space inside a two dimensional figure measured in square units?
14. Number of endpoints for a segment
15. What is the supplement for a 35 degree angle?
16. What is a 6 sided polygon?
17. What is a triangle with all sides and angles different?
18. What is a chord that passes through the center of the circle?
19. What are two values for pi and the symbol?
20. What is the symbol for perpendicular?

Week 11

Exponents- write in expanded form and solve:

1. 3^3
2. 4^2
3. 10^4
4. 8^4
5. 2^7

Write in exponent form:

6. $7 \times 7 \times 7 \times 7 \times 7$
7. $10 \times 10 \times 10 \times 10$
8. $(3)(3)(3)yyyyyy$
9. $(2)(2)wwwwwxxx$
10. $5 \times 5 \times 5 \times 5 \times 5 \times 5$

Change decimals to percent- move decimal 2 places to the right and put the % sign

11. 0.78
12. 8.3
13. 0.027
14. 160
15. 8.042

Change the percent to a decimal: drop the % sign and move the decimal 2 places to the left:

16. 87%

17. 4.12%

18. 135%

19. 62%

20. 45.7%

Final Week-Solve mentally

1. $X + 7 = 11$

2. $2y = 30$

3. $N + 8 = 12$

4. $M - 12 = 4$

5. $m \div 3 = 16$

6. $100 - y = 92$

7. $84 \div p = 7$

8. $x^2 = 16$

9. $4p = 32$

10. $50 - y = 17$

Solve these equations using steps

11. $X + 7 = 73$

12. $Y + 27 = 32$

13. $17 + m = 74$

14. $P + 8.3 = 12.2$

15. $W + 13 = -1$

16. $M - 4 = -12$

17. $Y - 27 = 157$

18. $W - 81 = 2$

19. $P - 14 = 41$

20. $X - (-3) = 12$

Congratulations!! You are finished 😊

Answer Key

6th grade math review for rising 7th graders at APA

Week one

1. $793 + 817 = 1610$
2. $88,413 + 277 = 88,750$
3. $49 + 813 + 551 = 1413$
4. $9,000 - 877 = 8,123$
5. $7,321 - 5987 = 1,334$
6. $15 \times 27 = 405$
7. $380 \times 125 = 47,500$
8. $55 \times 44 = 2,420$
9. $475 \div 25 = 19$
10. $714 \div 42 = 17$

Order of Operations:

11. $14 - (5 + 7) = 14 - 12 = 2$
12. $12 - 2 \times 3 = 12 - 6 = 6$
13. $2 \times 3 + 9 \times 2 = 6 + 18 = 24$
14. $8 \times 10^3 = 8 \times 1000 = 8,000$
15. $30 - 4 \times 2 + 8 = 30 - 8 + 8 = 22 + 8 = 30$
16. $3 + 5(17 + 23) = 3 + 5(40) = 3 + 200 = 203$
17. $4(36 + 14) - 100 = 4(50) - 100 = 200 - 100 = 100$
18. $7 \times 6 - (14 + 16) = 42 - 30 = 12$
19. $3 \times 4 - 3^2 = 12 - 9 = 3$
20. $(80 \div 10) - 2^3 = 8 - 8 = 0$

Substitute and Solve (a=4, b=5, c=15, and d=1)

21. $6a + c = 6(4) + 15 = 24 + 15 = 39$
22. $444 - abc = 444 - (4)(5)(15) = 444 - 300 = 144$
23. $a^3 + 3 = 4^3 + 3 = 64 + 3 = 67$
24. $4b^2 = (4)(5^2) = 4 \cdot 25 = 100$
25. $(a + 2d) \div 3 = (4 + 2 \cdot 1) \div 3 = (4 + 2) \div 3 = 6 \div 3 = 2$

Week 2- Decimal addition and subtraction

1. $3.78 + 0.21 = 3.99$
2. $42.07 + 38.78 = 80.85$
3. $13.2 + 93 = 106.2$
4. $80.1 + 0.32 = 80.42$
5. $1.245 + 10 = 11.245$
6. $0.889 + 0.3 = 1.189$
7. $104.98 + 3.203 = 108.183$
8. $1.245 + 2.54 = 3.785$
9. $1000 + 0.7 = 1000.7$
10. $0.8 + 2.02 = 2.82$
11. $42.07 - 38.78 = 3.29$
12. $5.86 - 1.28 = 4.58$
13. $42.3 - 8.76 = 33.54$
14. $104.9 - 8.76 = 96.14$
15. $20 - 4.3 = 15.7$
16. $22.2 - 1.459 = 20.741$
17. $0.889 - 0.23 = 0.659$
18. $100 - 3.87 = 96.13$
19. $17 - 0.394 = 16.606$
20. $143.7 - 8.9073 = 134.7927$

Week 3

1. $1.32 \times 4 = 5.28$
2. $0.4 \times 0.7 = 0.28$
3. $1.5 \times 0.27 = 0.405$
4. $380 \times 1.25 = 475$
5. $0.44 \times 55 = 24.2$
6. $42 \times 0.17 = 7.14$
7. $1.9 \times 6.23 = 11.837$
8. $0.23 \times 2 = 0.46$
9. $4.527 \times 10 = 45.27$
10. $0.003 \times 4.82 = 0.01446$
11. $9.81 \div 0.3 = 32.7$
12. $5.76 \div 3.2 = 1.8$
13. $38.57 \div 0.19 = 203$

Multiplying by decimals:

Multiply, count the total decimal places in the factors and then put the decimal in the product.

14. $90.175 \div 2.5 = 36.07$
15. $2.475 \div 3 = 0.825$
16. $85 \div 0.5 = 170$
17. $812 \div 0.04 = 20300$
18. $180 \div 3.6 = 50$
19. $14.4 \div 12 = 1.2$
20. $2,445.3 \div 3.3 = 741$

Week 4

1. $(-13) + (-72) = -85$
2. $73 + (-67) = +6$
3. $(-49) + (-82) = -131$
4. $16 + 39 = 55$
5. $(-87) + 52 = -35$
6. $97 + (-82) = +15$
7. $16 + 17 + (-30) = 3$
8. $(-18) + 12 + 18 = +12$
9. $(-17) + (-17) + (-17) + 51 = 0$
10. $139 + (-500) = -361$
11. $(-18) - (-30) = +12$
12. $53 - (-16) = +69$
13. $(-37) - (+43) = -80$
14. $30 - (+12) = +18$
15. $(-16) - (-300) = +284$
16. $340 - (+400) = -60$
17. $(-160) - (-160) = 0$
18. $97 - (+39) = +58$
19. $(-52) - (+14) = -66$
20. $(-16) - (+37) + (14) - (-4) = -35$

Adding integers:

Like signs: add and keep the sign.

Different signs: subtract and keep the sign of the larger digit.

Subtracting integers:

The 1st digit stays the same, change subtraction to addition, and write the opposite of the number following the subtraction sign. Then, use your addition rules.

Week 5

1. $5(-2) = -10$
2. $(-11)(-7) = +77$
3. $(-50)(0) = 0$
4. $5(-12) = -60$
5. $6(100) = 600$
6. $2(-2)(-5) = 20$

When multiplying and dividing, count your negative signs. Odd number of negatives=negative answer. Even number of negatives=positive answer.

7. $3(-13) = -39$
8. $(14)^2 = 196$
9. $(-4)(-1)(-60) = -240$
10. $(-3)(2)(-4) = +24$
11. $14 \div (-2) = -7$
12. $-56 \div (-7) = +8$
13. $(-25) \div 5 = -5$
14. $(-42) \div (-7) = +6$
15. $81 \div 9 = 9$
16. $144 \div (-12) = -12$
17. $(-99) \div 9 = -11$
18. $121 \div (-11) = -11$
19. $(-132) \div (-12) = +11$
20. $(-72) \div 9 = -8$

Week 6

Change the following to improper fractions:

1. $4\frac{2}{3} = \frac{14}{3}$
2. $8\frac{9}{10} = \frac{89}{10}$
3. $5 = \frac{5}{1}$
4. $7\frac{2}{9} = \frac{65}{9}$
5. $16\frac{1}{3} = \frac{49}{3}$

Change the following to mixed numbers:

6. $\frac{18}{4} = 4\frac{2}{4} = 4\frac{1}{2}$
7. $\frac{17}{2} = 8\frac{1}{2}$
8. $\frac{121}{7} = 17\frac{2}{7}$
9. $\frac{483}{10} = 48\frac{3}{10}$
10. $\frac{67}{6} = 11\frac{1}{6}$

$$\begin{aligned}
 14. \quad 7/8 - 1/3 &= \frac{13}{24} \\
 15. \quad 9/20 - 1/4 &= \frac{1}{5} \\
 16. \quad 7/8 - 2/3 &= \frac{5}{24} \\
 17. \quad 11/12 - 1/7 &= \frac{65}{84} \\
 18. \quad 15/16 - 11/12 &= \frac{1}{48} \\
 19. \quad 17/20 - 3/5 &= \frac{1}{4} \\
 20. \quad 23/25 - 7/20 &= \frac{57}{100}
 \end{aligned}$$

Week 8

$$\begin{aligned}
 1. \quad 5/16 \times 2/3 &= \frac{5}{24} \\
 2. \quad 8/9 \times 9/16 &= \frac{1}{2} \\
 3. \quad 15/16 \times 8/25 &= \frac{3}{10} \\
 4. \quad 11/12 \times 6/7 &= \frac{11}{14} \\
 5. \quad 3/5 \times 1/12 &= \frac{1}{20} \\
 6. \quad 5/6 \times 15/16 &= \frac{25}{32} \\
 7. \quad 6/14 \times 12/18 &= \frac{2}{7} \\
 8. \quad 7/15 \times 3/21 &= \frac{1}{15} \\
 9. \quad 11/20 \times 44/55 &= \frac{11}{25} \\
 10. \quad 4/5 \times 3/4 &= \frac{3}{5}
 \end{aligned}$$

Dividing fractions- remember to keep the 1st fraction, change the division sign to multiplication, and flip the 2nd fraction.

$$\begin{aligned}
 11. \quad 7/10 \div 3/8 &= \frac{7}{10} \times \frac{8}{3} = \frac{56}{30} = \frac{28}{15} = 1 \frac{13}{15} \\
 12. \quad 3/5 \div 2/5 &= 1 \frac{1}{2} \\
 13. \quad 3/8 \div 7/10 &= \frac{15}{28} \\
 14. \quad 5/9 \div 2/5 &= 1 \frac{7}{18} \\
 15. \quad 2/3 \div 3/2 &= \frac{4}{9} \\
 16. \quad 4/7 \div 6/7 &= \frac{2}{3} \\
 17. \quad 1/2 \div 7/8 &= \frac{4}{7} \\
 18. \quad 1/3 \div 5/6 &= \frac{2}{5} \\
 19. \quad 2/3 \div 8 &= \frac{1}{12} \\
 20. \quad 8/9 \div 5/6 &= 1 \frac{1}{15}
 \end{aligned}$$

Write the following numbers as fractions or mixed numbers:

11. $0.3 = \frac{3}{10}$

12. $4.13 = 4\frac{13}{100}$

13. $0.27 = \frac{27}{100}$

14. $1.181 = 1\frac{181}{1000}$

15. $0.473 = \frac{473}{1000}$

Write the following as decimals:

16. $\frac{7}{8} = 0.875$

17. $\frac{2}{3} = 0.\overline{6}$

18. $\frac{3}{20} = 0.15$

19. $5\frac{1}{6} = 5.1\overline{6}$

20. $11\frac{1}{11} = 11.\overline{09}$

Week 7

Adding and subtracting fractions require a common denominator. Don't forget to simplify all answers.

1. $\frac{3}{5} + \frac{4}{5} = \frac{7}{5} = 1\frac{2}{5}$

2. $\frac{5}{8} + \frac{7}{8} + \frac{3}{8} = 1\frac{7}{8}$

3. $\frac{11}{24} + \frac{7}{24} = \frac{18}{24} = \frac{3}{4}$

4. $\frac{2}{3} + \frac{5}{8} = 1\frac{7}{24}$

5. $\frac{7}{10} + \frac{4}{5} = 1\frac{1}{2}$

6. $\frac{8}{9} + \frac{7}{8} = 1\frac{55}{72}$

7. $\frac{3}{5} + \frac{5}{6} = 1\frac{13}{30}$

8. $\frac{3}{11} + \frac{5}{33} = \frac{14}{33}$

9. $\frac{5}{16} + \frac{7}{8} + \frac{1}{12} = 1\frac{13}{48}$

10. $\frac{2}{3} + \frac{3}{5} + \frac{5}{6} = 2\frac{2}{30}$

Subtraction

11. $\frac{11}{15} - \frac{4}{15} = \frac{7}{15}$

12. $\frac{17}{18} - \frac{5}{18} = \frac{2}{3}$

13. $\frac{17}{20} - \frac{13}{20} = \frac{1}{5}$

Week 9

Change the fractions to percents:

1. $7/8 = 87.5\%$
2. $2/3 = 66\frac{2}{3}\%$
3. $9/20 = 45\%$
4. $4/9 = 44\frac{4}{9}\%$
5. $27/50 = 54\%$

Change the percents to fractions or mixed numbers:

6. $17\% = \frac{17}{100}$
7. $84\% = \frac{84}{100} = \frac{21}{25}$
8. $130\% = 1\frac{3}{10}$
9. $49\% = \frac{49}{100}$
10. $500\% = 5$

Use the formula: $\%/100 = \text{is/of}$

11. What is 20% of 300? 60
12. 38 is what percent of 50? 76%
13. What percent of 7 is 42? 600%
14. 90% of 40 is what number? 36
15. 75% of what number is 12? 16
16. What number is 65% of 200? 130
17. 12 is 600% of what number? 2
18. What is 50% of 36? 18
19. What number is 80% of 500? 400
20. 250% of 44 is what number? 110

Week 10

1. What is the simplest figure in geometry? point
2. What remains equal distance apart and never intersects? parallel (symbol $\parallel$)
3. What is the general term for four-sided figure? quadrilateral
4. What has one endpoint and continues infinitely in one direction? ray
5. What is measured in degrees? angles
6. What is a segment drawn inside a polygon to connect any two nonconsecutive vertices? diagonal
7. What is the distance around the outside of a polygon? perimeter

8. All points equal distance from a center? *circle*
9. What is a polygon with all sides and angles congruent? *regular*
10. What is the total number of degrees in a triangle? *180°*
11. What is the complement for a 23 degree angle? *90 - 23 = 67°*
12. What is the distance from center to a side in a circle? *radius*
13. What is the amount of space inside a two dimensional figure measured in square units? *area*
14. Number of endpoints for a segment *two*
15. What is the supplement for a 35 degree angle? *180 - 35 = 145*
16. What is a 6 sided polygon? *hexagon*
17. What is a triangle with all sides and angles different? *scalene*
18. What is a chord that passes through the center of the circle? *diameter*
19. What are two values for pi and the symbol? *3.14 $\frac{22}{7}$ π*
20. What is the symbol for perpendicular? *$\perp$*

Week 11

Exponents- write in expanded form and solve:

1. $3^3 = 3 \cdot 3 \cdot 3 = 27$
2. $4^2 = 4 \cdot 4 = 16$
3. $10^4 = 10,000$
4. $8^4 = 4096$
5. $2^7 = 128$

Write in exponent form:

6. $7 \times 7 \times 7 \times 7 \times 7$ *7^5*
7. $10 \times 10 \times 10 \times 10$ *10^4*
8. $(3)(3)(3)yyyyyy$ *$3^3 y^6$*
9. $(2)(2)wwwwwwwxxx$ *$2^2 w^5 x^3$*
10. $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ *5^7*

Change decimals to percent- move decimal 2 places to the right and put the % sign

11. 0.78 *78%*
12. 8.3 *830%*
13. 0.027 *2.7%*
14. 160 *$16,000\%$*
15. 8.042 *804.2%*

Change the percent to a decimal: drop the % sign and move the decimal 2 places to the left:

16. $87\% = 0.87$

17. $4.12\% = 0.0412$

18. $135\% = 1.35$

19. $62\% = 0.62$

20. $45.7\% = 0.457$

Final Week-Solve mentally

1. $X + 7 = 11$ $x = 4$

2. $2y = 30$ $y = 15$

3. $N + 8 = 12$ $N = 4$

4. $M - 12 = 4$ $m = 16$

5. $m \div 3 = 16$ $m = 48$

6. $100 - y = 92$ $y = 8$

7. $84 \div p = 7$ $p = 12$

8. $x^2 = 16$ $x = 4$

9. $4p = 32$ $p = 8$

10. $50 - y = 17$ $y = 33$

Solve these equations using steps

11. $X + 7 = 73$ $x = 66$

12. $Y + 27 = 32$ $y = 5$

13. $17 + m = 74$ $m = 57$

14. $P + 8.3 = 12.2$ $p = 3.9$

15. $W + 13 = -1$ $w = -14$

16. $M - 4 = -12$ $m = -8$

17. $Y - 27 = 157$ $y = 184$

18. $W - 81 = 2$ $w = 83$

19. $P - 14 = 41$ $p = 55$

20. $X - (-3) = 12$ $x = 9$

