

Accelerated 6th Grade Math Summer Review 2019

Week One:

1) Simplify: $(8 - 2 \div 3) \times 2$

2) Simplify: $8 + 2 - 10 \div 2$

3) Solve: $r - 3 = 11$

4) Solve: $\frac{x}{6} = 5$

5) State whether the number is prime or composite:

a. 21

b. 17

c. 51

6) Find the GCF of 6 and 21

7) Find the LCM of 90 and 54

Week Two:

1) Write .06 as a fraction in simplest form

2) Write $\frac{13}{20}$ as a decimal

3) Find the difference: $10\frac{7}{12} - 5\frac{1}{8}$

4) Find 15% of 80

5) Solve: $5.4 + x = 7.1$

6) Solve: $3.1 \times n = 6.2$

7) Find 80% of 6

8) Find the sum: $6\frac{4}{5} + 4\frac{4}{15}$

Week Three:

1) Find the sum: $11\frac{5}{8} - 4\frac{1}{4}$

2) Solve: $\frac{6}{9} = \frac{1}{3} + n$

3) Candace ran $\frac{2}{3}$ of a mile and Kathryn ran $\frac{5}{6}$ of a mile.

a) How much farther than Candace did Kathryn run?

b) What is their combined distance?

4) Solve: $56q = 280$

5) $t \div 3 = 5$

6) Simplify: $6\frac{3}{4} \div 4\frac{1}{2}$

7) Find the LCM of 105 and 135

Week Four:

- 1) Write $\frac{8}{20}$ as a decimal
- 2) Solve: $6n = 15$
- 3) Write 7.2 as a fraction in simplest form
- 4) Write 82% as a decimal
- 5) Write 82% as a fraction in simplest form
- 6) Find the GCF of 20 and 30
- 7) Solve: $1.3 + n = 5.2$
- 8) Simplify: $(4 - 15 \div 5) + 9$

Week Five:

- 1) Find the difference: $3\frac{3}{5} - \frac{1}{3}$
- 2) Solve: $n \div 3.2 = 18$
- 3) State whether the following are prime or composite:
 - a) 15
 - b) 19
 - c) 59
- 4) Solve the proportion: $\frac{x}{10} = \frac{4}{35}$
- 5) Write $\frac{6}{11}$ as a decimal
- 6) Find the complement of a 47 degree angle.
- 7) Solve: $n \times 1.2 = 15$

Week Six:

- 1) A 5 ounce bottle of juice costs \$1.35, and an 8 ounce bottle of juice costs \$2.16.
 - a. What is the unit cost per ounce of juice?
 - b. Which is the better buy?
- 2) Find the area of a parallelogram with a base of 6 inches and a height of 3 inches.
- 3) Find the area of a triangle with a base of 14 feet and a height of 4 feet.
- 4) Find the perimeter of a square with side length 2.5 centimeters.
- 5) Write 2.14 as a fraction in simplest terms.
- 6) You buy a movie ticket for \$8.00. If there is a 7% sales tax, what is the final cost?

Week Seven

- 1) Find the supplement of a 122 degree angle.
- 2) Find the complement of a 38 degree angle.
- 3) Find the surface area of a rectangular prism with length = 2in, width = 4in, and height = 3in.
- 4) Find the surface area of a cube with length = 5.25 cm
- 5) Find the mean, median, and mode of the data set: 2, 2, 5, 8, 6, 4, 7, 2
- 6) Use $>$, $<$, or $=$ to complete the statements:

a. 15 quarts _____ 2.5 gallons

b. 18 oz. _____ 2 pints

Week Eight

These will be taught next year, but try them!

1) $2x + 1 = 5$

2) $8 + x = 5$

3) Simplify: $8x + 2y - 10x + 3$

4) $-2(x) = 6$