7th Grade

Bright Futures Academy
Middle School Math Remote Learning Assignments/Expectations
Dennard

It is very important that you utilize Jupiter Ed and Class Dojo to communicate any concerns. I will be using Class Dojo for incentives to keep the students motivated and engaged:)

1. **I-Ready** - 45-90 minutes each week. Work on Teacher Assigned Lessons. If you complete those lessons then work on your Pathway Assignments determined by your Diagnostic. Parents, reach out to me about your child's diagnostic results.
2. **Khan Academy** - At least 60 minutes each day. Assignments are listed in order. Make sure the practice lessons are completed. If you complete the assigned lessons, then work on the Grade Level Course Mastery Program.
3. **IXL.COM** (optional)- At least 60 minutes per week. Students can select the lessons they would like to work on. I have made recommendations. Check Jupiter Ed or Class Dojo for your username and password.

It is my recommendation that each student keep a journal/notebook for ALL online lessons:)

4. **Class Dojo** - Each Grade Level will receive 1 Portfolio Assignment each week to respond to. It may involve MathAntics, AnthonyMashUp, Khan Academy, or Math Is Fun activities. It may also include work from the assigned packets.
5. **Jupiter Ed** - Each Grade Level will receive 1 Forum Assignment to respond to. It will include a video to watch and respond to.
6. **Quizizz** - I will be online with quizizz.com @ 1 pm.
    a. Tuesdays - 6th Grade
    b. Wednesdays - 7th Grade
    c. Thursdays - 8th Grade
7. **Kahoot** - I will assign 1 Kahoot Activity each week. I will send the link. Log in to kahoot.com and use the code. It will be due by Friday
8. **GimKit** - I will assign 1 GimKit Activity each week. I will send the link. Log in to gimkit.com and use the code. It will be due by Friday.

Packets will be available online @ https://www.brightfuturesacademy.com/
Grade Level Packets:
6th Grade - Week 1 - Fraction Operations Review.
7th Grade - Week 1 - Expressions and Equations Review.
8th Grade - Week 1 - Rational and Irrational Numbers Review.
I have provided a cheat sheet for you to use:)

Name_____ Date_____

Chapter 7 Fair Game Review

Evaluate the expression when $x = 3$ and $y = 5$.

1. $2xy$

2. $\frac{6y}{x}$

3. $4y - x$

4. $y^2 - 7x + 2$

Evaluate the expression when $x = \frac{1}{4}$ and $y = 8$.

5. $3xy$

6. $16x + 5y$

7. $\frac{y}{2x}$

8. $2(10 - 24x) + y^2$

9. After m months, you paid $25 + 10m$ for your computer. How much did you pay after 6 months?

Name _____ Date _____

7.1 Practice

For use after Lesson 7.1

Write the word sentence as an equation.

1. 27 is 3 times a number y.

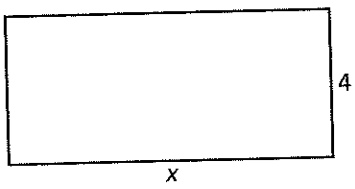
2. The difference of a number x and 4 is 3.

3. 8 more than a number p is 17.

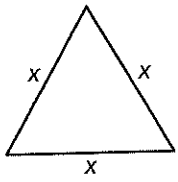
4. Half of a number q is 14.

Write an equation that can be used to find the value of x.

5. Perimeter of rectangle: 32 cm



6. Perimeter of triangle: 20 in.



7. You spend \$16 on 3 notebooks and x binders. Notebooks cost \$2 each and binders cost \$5 each. Write an equation you can use to find the number of binders you bought.

Name _____ Date _____

7.2 Practice

For use after Lesson 7.2

Tell whether the given value is a solution of the equation.

1. $34 + x = 46; x = 12$

2. $y - 9 = 14; y = 22$

3. $6d = 54; d = 9$

4. $\frac{n}{3} = 13; n = 39$

Solve the equation. Check your solution.

5. $7 + k = 11$

6. $p - 24 = 13$

7. $b - 16 = 7$

8. $\frac{2}{5} + m = \frac{5}{6}$

9. In the heavyweight class of professional wrestling, the junior weight limit is 190 pounds. This is 15 pounds heavier than the light heavyweight limit. Write and solve an equation to find the weight limit of the light heavyweight class.

Name _____ Date _____

7.3 Practice

For use after Lesson 7.3

Solve the equation. Check your solution.

1. $7k = 77$

2. $\frac{p}{5} = 10$

3. $3 = \frac{m}{12}$

4. $4a = 36$

5. $5 \bullet x = 12$

6. $4.2 = \frac{c}{8}$

7. You earn \$5 for every friendship bracelet you sell. Write and solve an equation to find the number of bracelets you have to sell to earn \$85.

8. You practice the piano for 30 minutes each day. Write and solve an equation to find the total time t you spend practicing the piano in a week.

Name _____ Date _____

7.4 Practice

For use after Lesson 7.4

Tell whether the ordered pair is a solution of the equation.

1. $y = 2x$; (0, 2)

2. $y = 6x$; (2, 12)

3. $y = 2x + 3$; (3, 9)

4. $y = x + 4$; (1, 3)

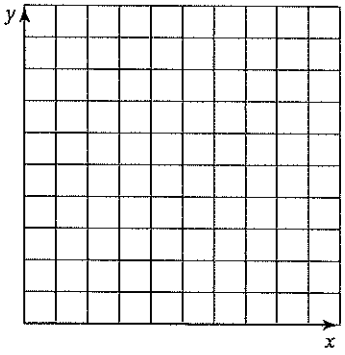
Identify the independent and dependent variables.

5. The equation $p = 8.65h$ gives the amount p (in dollars) of pay a clerk receives for working h hours.

6. The equation $P = 4s$ gives the perimeter P (in inches) of a square mouse pad with a side length of s inches.

7. The equation $c = 42t + 42$ gives the total cost c (in dollars) of a grocery bill with a sales tax of t percent (in decimal form).

8. Avocados cost \$3 per pound. Write and graph an equation in two variables that represents the cost of buying avocados.



Algebra Cheat Sheet 10

Writing Expressions

Look for 'clue' words:

1. **For the clue words, '*the product of*' place the constant before the variable. Do not use a sign.**
2. **The clue words '*more than*' and '*less than*' indicate inverted order.**
3. **If there are no clue words, write the expression in the order that the words appear.**

Writing Expressions – Examples

1. The product of 4 and x The product of y and 5	4x 5y
2. x more than three thirteen less than y	3 + x y – 13
3. the sum of ten and x the difference between y and 4	10 + x y – 4

Algebra Cheat Sheet 11

Evaluating Expressions

Step 1. Replace the variable with parentheses.

Step 2. Place the value of the variable inside the parentheses.

Step 3. Calculate the answer.

Evaluating Expressions – Examples

Evaluate $10x + 7$, when $x = 5$.

Step 1. $10 (\quad) + 7$

Step 2. $10 (5) + 7$

Step 3. $50 + 7 = 57$

Algebra Cheat Sheet 12

Solving Equations

Step 1. Get all the variables on the left and all the numbers on the right of the equal sign by adding opposites.

Step 2. Divide by the coefficient of the variable to determine its value.

Solving Equations – Examples

$$2d + 3 = -7$$

1. $$-3 = -3$$

$$2d = -10$$

2. $$d = -5$$