

First Baptist Summer Math Requirement

Each student should complete the ten (10) IXL's listed below from the Rising 8th Grade Summer Boost Skill Plan and the four attached worksheets. Your goal is to complete one/two activities per week. This should not be done all at once and should be spread out throughout the summer. Please complete the skill even if it says you have already previously completed it during the school year.

If you do not have an IXL account, please email Mrs. Brooks at brookss@fbschool.org

All new students will receive their account information once they are enrolled.

IXL Requirement: Each skill should be completed to 90% but the goal is 100%. If you struggle with this particular skill and spend more than 30 minutes in one sitting, **stop** and come back to it on another day. Be sure to read through the suggestions on IXL and if you are still struggling, look up a video to help you with the concept. Showme.com is a great site full of teacher created videos.

If you want to be adventurous and complete the whole summer boost, you may do so by visiting this link: [Rising 8th Pre-Algebra Summer Boost](#)

To find summer boost: Use the link above or.....

1. Log into IXL
2. Click on Learning Tab at the top of page (drop down menu)
3. Click on Skill Plans
4. Click on summer boost math: 8th grade

TO BE RETURNED THE FIRST DAY OF SCHOOL

Rising 8th Summer Work-IXL Summer Boost 8th Grade

IXL Assignment	Completion Date	Achievement Score	Difficulty- circle one
Day 1: Convert between decimals, fractions, or mixed numbers			easy, medium, hard
Day 3: Multiply using the distributive property			easy, medium, hard
Day 5: Add and subtract negative and positive fractions			easy, medium, hard
Day 6: Multiplication and division equations with integers			easy, medium, hard
Day 7: Write and solve equations for proportional relationships			easy, medium, hard
Day 10: Solve two step equations			easy, medium, hard
Day 11: Evaluate numerical expressions involving integers			easy, medium, hard
Day 14: Find measures of complementary, supplementary, vertical and adjacent angles			easy, medium, hard
Day 18: Solve 2-step inequalities			easy, medium, hard

Worksheet 1

Order of Operations

Use “pemdas” to help simplify each expression. Check your work on a calculator and record keystrokes if your answers do not match each other.

1. $8 + 7 \cdot 9$

11. $12 + 4^2$

2. $35 - (17 - 2) \div 5$

12. $24 - 9 \cdot 2 + 6 \div 3$

3. $\frac{90 - 22}{28 - 11}$

13. $\frac{45 + 3}{9}$

4. $12(2 + 7) - 24 \div 12$

14. $4(9 - 3) \div (8 - 2)$

5. $26 - [(25 - 11) - 2^3]$

15. $(8^2 - 2^5) \div (24 \div 6) + 3^2$

Worksheet 2

Substitute and evaluate: $x = 8$, $y = 6$, $m = 3$, $p = \frac{1}{2}$, $n = \frac{3}{4}$

7. $4x - 2m$

17. $5y + 8p$

8. $nxy \div m$

18. $2(3x + 6) \div (10m)$

9. $2ny + x$

19. $(x + y) \div p$

10. $6p + 8n$

20. $my - 2x$

Worksheet 3

Change each percent to a decimal or each decimal to a percent:

1. $5.4\% = \underline{\hspace{2cm}}$

2. $56\% = \underline{\hspace{2cm}}$

3. $7.5\% = \underline{\hspace{2cm}}$

4. $29.3\% = \underline{\hspace{2cm}}$

5. $0.03 = \underline{\hspace{2cm}}$

6. $0.914 = \underline{\hspace{2cm}}$

7. $0.54 = \underline{\hspace{2cm}}$

8. $10 = \underline{\hspace{2cm}}$

Evaluate.

9.) $-12 \cdot 4 =$

10.) $-36 \div -6 =$

11.) $-1 - 40 =$

12.) $-45/9 =$

13.) $-6 - (-4) =$

14.) $-10 \cdot -8 =$

15.) $-3 + 4 =$

16.) $16 - (-3) =$

17.) $6 \cdot -8 =$

18.) $\frac{90}{-10} =$

19.) $-19 - 9 =$

20.) $-30 + (-4) =$

WORKSHEET 4

1. $17.52 = y - 9.4$

8. $-4x \leq 32$

2. $y + 2.8 = 9.6$

9. $x - 5 \geq 2$

3. $-7.5d = 56.25$

10. $-6x + 7 < 25$

4. $\frac{y}{-2} = 66.3$

11. $2x - 10 \leq 6$

5. $8.5p + 6 = 40$

6. $\frac{-1}{4}h = \frac{-5}{6}$

7. $x + \left(\frac{-7}{8}\right) = 2\frac{5}{24}$

