# 6th Grade Summer Math Packet

*Khan Academy - Get Ready for 6th Grade*

Students,

Your summer work this year will be watching videos and taking mini-assessments at Khan Academy. I have assigned work at khanacademy.org for you to complete throughout the summer. Attached to this letter, you will find a printed list of assignments. The yellow spaces are for recording scores and parent initials.

Follow these instructions to access your assignments:

1. Go to [khanacademy.org/join](khanacademy.org/join)
2. Enter this class code: **N8Y858CB**
3. Click "Create a new account"
4. Enter your birthdate
5. If you remember your school login and password, "Sign up using Google," and enter the requested information. Go to Step 7).

1. If you do not remember your school login or password, "Sign up by creating a username," and enter the requested information. If you use this option, I insist that you create a username that allows me to know who is completing the work. Also, WRITE THE NEW ACCOUNT INFORMATION DOWN so that if you go somewhere other than home during the summer and want to complete some work there, you have what you need.

1. Click "Continue" and your assignment page will come up.

UNDER NO CIRCUMSTANCES are you to create a second account at any point this summer. If you forget your login information, email me at [kquinby@saintrose.org](mailto:kquinby@saintrose.org) and I will reset your password and send that and your username to you.

Remember, I will be able to see your progress throughout the summer. Please do not wait until the last minute to begin these assignments. Make a plan for completing the work, taking into account already-scheduled time that you will be away from home. Go through the assignments in order, and have your parents initial when you have watched the videos and completed the exercises. Be sure to write the score you received on each exercise in the appropriate box on the sheet. The completed spreadsheet is due on the first full day of class and will count as your first **test** grade (I will be cross-checking the paper with the information I can see at the website on my teacher dashboard.) There will be a **quiz** over the summer work during the first week of school.

If you begin early, you will not have to fret about getting everything done. You can do this the hard/easy way (buckle down, start early, stay steady, be done and have nothing left to do for the couple of weeks before school starts), or the easy/hard way (forget about the work till the last minute, panic, spend several days at the end of your summer doing nothing but math.)

Enjoy your summer, and I will see you in August!

Mrs. Quinby

**Khan Academy - Get Ready for 6th Grade**    NAME_____

# Unit 1 - Get ready for ratios, rates, and percentages

### Lesson 1 - Multiplication and division word problems

| | Item to complete | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Division word problem: field goals | Video | | | |
| Multiplication word problem: pizza | Video | | | |
| Multiplication and division word problems | Exercise | | 7 | |

### Lesson 2 - Convert units of measure

| | Item to complete | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Converting units of time | Video | | | |
| Convert to smaller units (sec, min, & hr) | Exercise | | 7 | |
| Converting units: US volume | Video | | | |
| Same length in different uits | Video | | | |
| Convert units (US customary | Exercise | | 7 | |

# Unit 2 - Get ready for arithmetic operations

### Lesson 3 - Multi-digit multiplication

| | Item to complete | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Estimating multi-digit multiplication | Video | | | |
| Relate multiplication with area models to the standard algorithm | Video | | | |
| Intro to standard way of multiplying multi-digit numbers | Video | | | |
| Understanding the standard algorithm for multiplication | Video | | | |
| Multiply by 1-digit numbers with standard algorithm | Exercise | | 4 | |
| Multiplying multi-digit numbers: 6,742x23 | Video | | | |
| Multi-digit multiplication | Exercise | | 4 | |

### Lesson 4 - Multi-digit division

| | Item to complete | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Estimating multi-digit division | Video | | | |
| Introduction to dividing by 2-digits | Video | | | |
| Long division with remainders: 2292÷4 | Video | | | |
| Long division with remainders: 3771÷8 | Video | | | |
| Basic multi-digit division | Exercise | | 7 | |
| Dividing by 2-digits: 9815÷65 | Video | | | |
| Dividing by 2-digits: 7182÷42 | Video | | | |
| Dividing by 2-digits: 4781÷32 | Video | | | |
| Division by 2-digits | Exercise | | 4 | |

### Lesson 5 - Adding decimals

| | Item to complete | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Introduction to adding decimals: tenths | Video | | | |

| Item to complete | | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Adding decimals with ones and tenths parts | Video | | | |
| Adding decimals (tenths) | Exercise | | 4 | |
| Adding decimals with hundredths | Video | | | |
| Adding decimals with ones, tenths, and hundredths | Video | | | |
| Adding decimals (hundredths) | Exercise | | 4 | |

## Lesson 6 - Subtracting decimals

| Item to complete | | Your Score | Out of | |
|---|---|---|---|---|
| Strategies for subtracting basic decimals | Video | | | |
| Subtracting decimals (tenths) | Exercise | | 4 | |
| Subtraction strategies with hundredths | Video | | | |
| More advanced subtraction with hundredths | Video | | | |
| Subtracting decimals (hundredths) | Exercise | | 4 | |

## Lesson 7 - Multiplying decimals

| Item to complete | | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Understanding decimal multiplication | Video | | | |
| Multiplying decimals using estimation | Video | | | |
| Developing strategies for multiplying decimals | Video | | | |
| Understand multiplying decimals | Exercise | | 4 | |
| Developing strategies for multiplying 2-digit decimals | Video | | | |
| Multiply decimals (1 & 2-digit factors) | Exercise | | 4 | |

## Lesson 8 - Dividing decimals

| Item to complete | | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Dividing a decimal by a whole number example | Video | | | |
| Divide decimals by whole numbers | Exercise | | 4 | |

# Unit 5: Get ready for geometry

## Lesson 1 - Area and perimeter

| Item to complete | | Your Score | Out of | Parent initials |
|---|---|---|---|---|
| Area and perimeter word problem: dog pen | Video | | | |
| Area and perimeter word problem: table | Video | | | |
| Area and perimeter situations | Exercise | | 4 | |
| Represent rectangle measurements | Exercise | | 4 | |
| Multi-digit multiplication | Exercise | | 7 | |

**YOU ARE DONE!!**