



Boston Preparatory Charter Public School

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Dear 6th Grader,

Greetings from the 7th grade Math Department at Boston Prep! All students at Boston Prep receive summer assignments for their classes to make sure that they keep their skills fresh over the course of the summer. The assignment below has been designed so that you can be prepared with some of the important math facts necessary to help you excel in both of your math classes next year. In the first week of school, you will take a math quiz on these important facts.

Your assignment will be to make flashcards for the math facts below and ask an adult or sibling to quiz you throughout the summer. Keep the flashcards together with a binder clip or keep them in a zip lock bag. You will be asked to take them out to study them in math class when you return and will be considered unprepared if you do not have them. Mastering this assignment will help you to make sure that you get the excellent grades you want in your math classes. To accomplish this in the upcoming year, you will have to put in some effort over the summer. Have a great summer and don't forget to study!

Sincerely,

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Flashcard List

Exponents Facts (8 cards)

Front of Card	On the Back
11^2	121
12^2	144
13^2	169
14^2	196

Front of Card	On the Back
15^2	225
16^2	256
17^2	289
18^2	324

Integer Rules (3 cards)

Front of Card	On the Back
Negative plus negative	Answer = Negative
Positive plus positive	Answer = Positive
Negative plus positive	Answer = Which number is bigger

Fraction Decimal Percent Facts (17 cards)

Front of Card	On the Back
$\frac{3}{2}$	1.5, 150%
$\frac{1}{3}$	0. $\bar{3}$, $33\frac{1}{3}\%$
$\frac{2}{3}$	0. $\bar{6}$, $66\frac{2}{3}\%$
$\frac{1}{4}$	0.25, 25%
$\frac{3}{4}$	0.75, 75%
$\frac{1}{5}$	0.2, 20%
$\frac{2}{5}$	0.4, 40%
$\frac{3}{5}$	0.6, 60%
$\frac{4}{5}$	0.8, 80%

Front of Card	On the Back
$\frac{1}{8}$	0.125, 12.5%
$\frac{3}{8}$	0.375, 37.5%
$\frac{5}{8}$	0.625, 62.5%
$\frac{7}{8}$	0.875, 87.5%
$\frac{1}{10}$	0.1, 10%
$\frac{3}{10}$	0.3, 30%
$\frac{7}{10}$	0.7, 70%
$\frac{9}{10}$	0.9, 90%