



# Division 1

## Summer Math Challenge!

Dear Students,

Will you be in Division 1 MST next fall? Then you are invited to participate in the second ever **Division 1 Summer Math Challenge!** Using your IXL account, which is active ALL summer, you can participate in this four-week challenge and keep your math minds STRONG. How, do you wonder?? Keep reading...

- Look at both Challenge 1 and 2 and their Skills plans (See Pages 2 and 3)
- Choose the appropriate level of challenge for YOU!!
- Click on the link at the top of the Calendar (peach or blue) OR click on the LIVE links to go straight to the challenge of the day!!
- ALL links will take you to IXL.com. You will see either LINKS to daily skills OR a prompt to LOG IN using your Parker username and password.
- Click on the skill of the day AND/OR Log in
- Do each of the IXL skills – one per day - this summer for 20 days total
- **YOU CAN DO IT! We believe in you!**
- Chart your progress using the Calendars provided (Pages 2 or 3) either virtually OR by printing out and crossing off each activity when completed.
- Students who complete the full challenge should share this accomplishment with us on registration day in August to claim a fabulous prize! **What will it be???? \$5 Gift Cards?? Treat?? Parker Merch?? CHOICE??** There's only one way to find out!

Good luck and have fun with math this summer!!!

- Your Division 1 MST Teachers

# Challenge 1 - Spotlight Skill Plan - Math 6th to 7th Grade

<p><b>Day 1</b></p> <p>Write an equivalent ratio</p>	<p><b>Day 2</b></p> <p>Solve one-step addition and subtraction equations with whole numbers</p>	<p><b>Day 3</b></p> <p>Compare and order rational numbers using number lines</p>	<p><b>Day 4</b></p> <p>Add and subtract decimal numbers</p>	<p><b>Day 5</b></p> <p>Absolute value and integers: word problems</p>
<p><b>Day 6</b></p> <p>Division with decimal quotients</p>	<p><b>Day 7</b></p> <p>Solve one-step addition and subtraction equations: word problems</p>	<p><b>Day 8</b></p> <p>Percents of numbers and money amounts</p>	<p><b>Day 9</b></p> <p>Write multiplication expressions using exponents</p>	<p><b>Day 10</b></p> <p>Ratios and rates: word problems</p>
<p><b>Day 11</b></p> <p>Interpret charts and graphs to find mean, median, mode, and range</p>	<p><b>Day 12</b></p> <p>Find a value using two-variable equations: word problems</p>	<p><b>Day 13</b></p> <p>Evaluate numerical expressions involving fractions</p>	<p><b>Day 14</b></p> <p>Solve one-step multiplication and division equations with whole numbers</p>	<p><b>Day 15</b></p> <p>Multiply and divide decimals: word problems</p>
<p><b>Day 16</b></p> <p>Divide fractions and mixed numbers</p>	<p><b>Day 17</b></p> <p>Solve one-step multiplication and division equations: word problems</p>	<p><b>Day 18</b></p> <p>Factor using the distributive property</p>	<p><b>Day 19</b></p> <p>Volume of cubes and rectangular prisms</p>	<p><b>Day 20</b></p> <p>One-step inequalities: word problems</p>

## Challenge 2 - Spotlight Skill Plan - Math 7th to 8th Grade

<b>Day 1</b> Convert between decimals and fractions or mixed numbers	<b>Day 2</b> Identify proportional relationships from tables	<b>Day 3</b> Multiply using the distributive property	<b>Day 4</b> Area of compound figures with triangles	<b>Day 5</b> Add and subtract positive and negative fractions
<b>Day 6</b> Complete multiplication and division equations with integers	<b>Day 7</b> Write and solve equations for proportional relationships	<b>Day 8</b> Add and subtract linear expressions	<b>Day 9</b> Circles: word problems	<b>Day 10</b> Solve two-step equations
<b>Day 11</b> Evaluate numerical expressions involving integers	<b>Day 12</b> Complete a table for a two-variable relationship	<b>Day 13</b> Factors of linear expressions	<b>Day 14</b> Find measures of complementary, supplementary, vertical, and adjacent angles	<b>Day 15</b> Interpret charts and graphs to find mean, median, mode, and range
<b>Day 16</b> Identify equivalent linear expressions I	<b>Day 17</b> Write equations for proportional relationships from graphs	<b>Day 18</b> Solve two-step inequalities	<b>Day 19</b> Triangle inequality	<b>Day 20</b> Experimental probability