

## **“Math is Cool” Divisions for 2016-2017**

One of the unique aspects to the Math is Cool contests are the divisions. The divisions allow schools and students to be rewarded as they become more and more competitive – not just when they are at the very top. In the past, divisions have been based primarily on the size of the school and in some cases special enrollment circumstances.

Since the goal is to place schools in divisions where they can be competitive, the past performance of the school in these contests will be used this year. Understandably, schools will have some students stronger than others but the divisions will stay at the school level. The scores at the regional championship contests for the past three years for all the grades at a school were averaged and ranked. Some contests turn out to be harder than others leading to lower overall scores. To address this, percentile scores were used in the averages. Thus, a school with an overall score of .60 would mean that on average, the school scored higher than 60% of all schools, in all regions.

These average scores are then used to determine divisions. New schools that have not participated will have their division assigned by the regional director. Several regions have used three divisions at the regional level and we have had three at the Masters level for several years with some schools qualifying into the “elite” division. Four divisions were chosen for the school year 2016-2017 and schools will not change divisions at Masters. Each year we will use the last three years of scores (rolling average) to determine divisions so a school may change divisions from one year to the next.

The four divisions will be labeled:  $i$ ,  $\phi$ ,  $e$  and  $\pi$ , well known mathematical constants. These names are for this school year only. There will be a contest later to determine more permanent names. The enclosed list of more than 400 schools gives the assigned divisions for schools that have participated in the past three years. When a school registers for a contest, they will no longer need to select the division, as they will be taken from this list. If a coach wishes to be assigned to a more challenging division, they should check with their regional director.

This also means that Masters participation will be expanded a bit as well. At each grade level and in each division, the top team from each region automatically advances to Masters. An additional 4-12 schools (depending on grade level and division) will be invited to Masters based on the Championships school score relative to all schools in all regions. Schools must accept or decline an invitation to Masters within 5 days, at which point the spot will be offered to the next school in line. The total number of schools invited to Masters by grade and division is given by:

In High School, 8 schools will be invited from each of the 4 divisions ( $i$ ,  $\phi$ ,  $e$  and  $\pi$ ). In grades 7 and 8, 12 schools from  $i$  and  $\phi$ , and 8 schools from  $e$  and  $\pi$  will be invited. At the elementary level, grades 4, 5 and 6; 20 schools from  $i$  and  $\phi$ , and 12 schools from  $e$  and  $\pi$  will be invited.

School Name - Division List	Assigned Division
Adams E.S. (Spokane Valley)	π
Adams E.S. (Spokane)	e
Alcott E.S.	i
Allant Academy	i
Arcadia E.S.	e
Atlas E.S.	π
Audubon E.S. (Redmond)	i
Audubon E.S. (Spokane)	π
Autumn Wind	φ
Badger Mountain E.S.	e
Bainbridge H.S.	φ
Basin City E.S.	φ
Bear Creek E.S. (Woodinville)	i
Beaver Lake M.S.	i
Bellevue Children's Academy	i
Bellevue H.S.	φ
Ben Rush E.S.	e
Bennett E.S.	φ
Betz E.S.	e
Blackwell E.S.	i
Borah E.S.	π
Brentwood E.S.	e
Brewster Adventist School	π
Bridgeport E.S.	π
Bridgeport M.S. [6]	π
Bridgeport M.S. [78]	π
Bright Water School	π
Bryant E.S.	e
Calvary Christian School	π
CAM Academy [78]	e
CAM Academy [E.S.]	e
CAM Academy [H.S.]	e
Cape Horn-Skye E.S.	φ
Captain Strong E.S.	φ
Carmichael M.S. [6]	i

School Name - Division List	Assigned Division
Carmichael M.S. [78]	φ
Carson E.S. (Sammamish)	i
Cascade E.S. (East Wenatchee)	e
Cascade H.S.	π
Cascade Ridge E.S.	i
Cascade View E.S.	π
Cascadia E.S.	i
Cashmere M.S.	e
Cataldo Catholic School [ES]	φ
Cataldo Catholic School [78]	π
Cedarhurst E.S.	e
Central Kitsap H.S.	e
Central Valley H.S.	φ
Chambers Primary	i
Charles Wright Academy	φ
Chattaroy E.S.	e
Chautauqua E.S.	φ
Cheney M.S. [6]	π
Cherry Crest E.S.	i
Chester E.S.	φ
Chestnut Hill Academy	φ
Chief Joseph M.S. [6]	e
Chief Joseph M.S. [78]	φ
Chief Kamiakin E.S.	φ
Chief Kanim M.S.	φ
Chief Moses M.S. [6]	e
Chief Moses M.S. [78]	e
Chief Umtuch M.S.	e
Chinook M.S.	e
Christ the King School (Richland) [78]	e
Christ the King School (Richland) [E.S.]	e
Clark E.S.	φ
Clovis Point I.S. [7]	π
Clovis Point I.S. [E.S.]	e
Clyde Hill E.S.	i

School Name - Division List	Assigned Division
Coeur d'Alene Charter Academy [6]	φ
Coeur d'Alene Charter Academy [78]	e
Colbert E.S.	e
Columbia Ridge E.S.	π
Columbia River H.S.	e
Colville H.S.	π
Colville J.H. [6]	e
Colville J.H. [78]	e
Commodore Options Odyssey [E.S.]	e
Commodore Options Odyssey [M.S.]	e
Connell E.S.	φ
Cooper E.S.	π
Corbett School [E.S.]	e
Corbett School [M.S.]	e
Cottonwood E.S. (Kennewick)	φ
Craig Academy	φ
Creekside E.S.	e
Curlew E.S.	π
Curlew H.S.	e
Curlew J.H.	π
Daffodil Valley E.S.	i
Dalton E.S.	π
Davenport M.S. [6]	π
Davenport M.S. [78]	π
Davenport H.S.	π
Deer Park M.S. [6]	e
Deer Park M.S. [78]	π
Delta H.S.	π
DeSales Catholic School	π
Desert Hills M.S. [6]	φ
Desert View E.S.	e
Dickinson E.S.	i
Discovery E.S.	i
East Farms STEAM Magnet School	π
East Omak E.S.	π

School Name - Division List	Assigned Division
East Valley M.S.	π
Eastside Catholic	φ
Eastside Preparatory [78]	e
Eastside Preparatory [E.S.]	i
Eastside Preparatory [H.S.]	e
Einstein E.S.	π
Einstein M.S.	i
Eisenhower E.S.	φ
Eismann E.S.	φ
Elon [78]	e
Elon [H.S.]	π
Endeavour E.S. (Issaquah)	i
Enterprise M.S. [6]	i
Enterprise M.S. [78]	φ
Entiat E.S.	π
Entiat H.S.	π
Ephrata H.S.	π
Ephrata M.S.	π
Eton School	φ
Evergreen M.S. (Redmond)	i
Evergreen M.S. (Spokane Valley) [6]	e
Evergreen M.S. (Spokane Valley) [78]	e
Farwell E.S.	e
Federal Way Public Academy [H.S.]	e
Federal Way Public Academy [M.S.]	φ
Fernwood E.S.	φ
Fisher's Landing E.S.	e
Foothills M.S. [6]	φ
Foothills M.S. [78]	e
Fort Colville E.S.	e
Franklin E.S. (Kirkland)	i
Franklin E.S. (Spokane)	π
Freeman E.S.	φ
Freeman H.S.	π
Freeman M.S.	e

School Name - Division List	Assigned Division
French Immersion School	π
Gaiser M.S.	e
Garden Heights E.S.	e
Garfield E.S. (Spokane)	π
Garfield H.S.	e
Gateway M.S.	φ
Gonzaga Preparatory School	π
Grandview M.S. [6]	π
Grandview M.S. [78]	π
Grant E.S. (East Wenatchee)	e
Grant E.S. (Ephrata)	e
Grant E.S. (Spokane)	π
Grass Valley E.S.	φ
Green Gables E.S.	e
Greenacres M.S. [6]	φ
Greenacres M.S. [78]	e
Gregory Heights E.S.	π
Hallett E.S.	e
Hamblen E.S.	π
Hamilton M.S.	φ
Hanford H.S.	φ
Harbor School	e
Hawthorne E.S.	φ
Hay E.S.	i
Hayden Meadows E.S.	e
Hazel Valley E.S.	φ
Heatherwood M.S.	φ
Hiawatha E.S.	π
Highland Terrace E.S.	φ
Highlands M.S. [6]	π
Holcomb E.S.	e
Hollywood Hill E.S.	e
Holmes E.S.	π
Home Works!	π
Homeschool	e

School Name - Division List	Assigned Division
Horizon M.S. [6]	φ
Horizon M.S. [78]	φ
Horse Heaven Hills M.S. [78]	π
Hudson's Bay H.S.	π
Hutton E.S.	π
Icicle River M.S.	φ
Illahee E.S.	i
Inglewood M.S.	φ
Ingraham H.S.	φ
Interlake H.S.	i
International Community School [H.S.]	φ
International Community School [M.S.]	φ
Issaquah H.S.	φ
Issaquah M.S.	φ
Itech Preparatory	π
Jane Addams M.S.	i
Jason Lee M.S.	φ
Jefferson E.S. (Pullman)	φ
Jefferson E.S. (Spokane)	e
Juanita H.S.	e
Kalama E.S.	π
Kamiak H.S.	φ
Kamiakin M.S.	i
Kennedy H.S.	e
Kenroy E.S.	π
Kettle Falls E.S.	π
Kettle Falls H.S.	e
Kettle Falls M.S.	π
Kilo M.S.	e
King's Way Christian School	π
Kirk E.S.	e
La Center E.S.	e
La Center M.S.	π
Lake Spokane E.S.	φ
Lake Washington H.S.	φ

School Name - Division List	Assigned Division
Lakeside M.S. [6]	e
Lakeside M.S. [78]	φ
Lakeside School [78]	i
Lakeside School [E.S.]	i
Lakeside School [H.S.]	i
Lakeview Terrace E.S.	π
Lakota M.S.	φ
Laurelhurst E.S.	φ
Lee E.S. (East Wenatchee)	e
Leota J.H.	i
Lewis & Clark E.S. (Richland)	i
Lewis & Clark E.S. (Wenatchee)	φ
Lewis and Clark H.S. (Spokane)	e
Libby Center - Odyssey [78]	φ
Libby Center - Odyssey [E.S.]	i
Liberty (Spangle) [E.S.]	e
Liberty Christian School	π
Liberty H.S. (Renton)	e
Liberty Lake E.S.	i
Lidgerwood E.S.	π
Lincoln E.S. (Seattle)	φ
Lincoln E.S. (Wenatchee)	π
Lincoln M.S. [6]	i
Lincoln M.S. [78]	i
Linwood E.S.	e
Logan E.S.	e
Logos School	π
Longview E.S.	e
Lutacaga E.S.	φ
Mann E.S.	e
Marcus Whitman E.S. (Richland)	π
Margaret Mead E.S.	i
Markham E.S.	e
Marvista E.S.	e
Maywood M.S. (Renton)	φ



School Name - Division List	Assigned Division
McAuliffe E.S.	e
McDonald E.S.	π
McFarland M.S. [6]	e
McLoughlin M.S. (Vancouver)	e
McMurray M.S.	φ
Mead H.S.	e
Meadow Ridge E.S.	φ
Meadowdale H.S.	e
Medical Lake M.S. [6]	π
Medical Lake M.S. [78]	π
Medina E.S.	i
Mercer Island H.S.	φ
Meredith Hill E.S.	e
Meridian Park E.S.	i
Mesa E.S.	π
Methow Valley Community School	e
Michael Anderson E.S.	e
Midway E.S. (Colbert)	φ
Mill Creek E.S.	φ
Mission View E.S.	π
Montesano H.S.	π
Montlake E.S.	e
Monument E.S.	π
Moran Prairie E.S.	e
Mount Baker M.S.	e
Mount Erie E.S.	i
Mount Rainier H.S.	e
Mount View E.S.	π
Mountainside M.S.	π
Mullan Road E.S.	e
Mullan Trail E.S.	e
Naas E.S.	π
Nautilus E.S.	φ
Ness E.S.	e
Newbery E.S.	φ

School Name - Division List	Assigned Division
Newport H.S. (Bellevue)	i
Newport Heights E.S.	e
Nine Mile Falls E.S.	e
Northshore J.H.	i
Northwest Christian School [E.S.]	e
Northwest Christian School [H.S.]	π
Northwood M.S.	π
Odle M.S.	i
Ogden M.S.	φ
Omak M.S. [6]	e
Omak M.S. [78]	π
Open Window School	i
Opportunity E.S.	e
Orchard Center E.S.	π
Orchard E.S. (Richland)	φ
Orchard M.S. [6]	e
Orchard M.S. [78]	e
Orchard Prairie School	π
Oregon Trail Primary Academy	π
Osborn E.S.	φ
Overlake School	φ
Pacific Cascade M.S.	φ
Paideia H.S.	π
Parkway E.S. (Ephrata)	φ
Pasadena Park E.S.	e
Pateros E.S.	π
Pine Lake M.S.	i
Pioneer E.S. (Sunnyside)	φ
Pioneer M.S. (Wenatchee) [6]	e
Pioneer M.S. (Wenatchee) [78]	e
Pioneer School (Spokane Valley)	i
Ponderosa E.S. (Post Falls)	φ
Ponderosa E.S. (Spokane Valley)	π
Post Falls M.S. [6]	e
Post Falls M.S. [78]	π

School Name - Division List	Assigned Division
Prairie View E.S. (Post Falls)	e
Prairie View E.S. (Spokane)	φ
Progress E.S.	e
Prosser H.S.	π
Pullman H.S.	φ
Quincy J.H.	π
Rainier View E.S.	π
Ramsey Magnet School of Science	e
Reardan E.S.	π
Redmond E.S.	i
Redmond H.S.	i
Redmond M.S.	i
Regal E.S.	π
Richland H.S.	φ
River City M.S. [6]	e
River City M.S. [78]	π
Robert Olds J.H.	e
Rock Island E.S.	π
Rockwell E.S.	i
Rocky Heights E.S.	π
Roosevelt E.S. (Spokane)	π
Roosevelt E.S. (Vancouver)	i
Rosa Parks E.S.	φ
Rose Hill E.S.	π
Royal I.S.	e
Royal M.S.	π
Sacajawea E.S. (Richland)	e
Sadie Halstead M.S. [78]	π
Sadie Halstead M.S. [E.S.]	e
Sage Point E.S.	e
Saint Bernadette Catholic School	π
Saint Francis of Assisi School	e
Saint George's School [78]	φ
Saint George's School [E.S.]	φ
Saint George's School [H.S.]	φ

School Name - Division List	Assigned Division
Saint John Vianney Catholic School	π
Saint Joseph Catholic School (Wenatchee)	π
Saint Luke Catholic School	e
Saint Mary Magdalen [78]	e
Saint Mary Magdalen [E.S.]	π
Saint Rose of Lima Catholic School	π
Saint Vincent de Paul School	π
Sakai I.S.	i
Salnave E.S.	e
SAM Boys Homeschool	φ
Samantha Smith E.S. (Sammamish)	i
Sandpoint H.S.	π
Sandpoint M.S.	π
Scootney Springs E.S.	e
Seattle Country Day School [78]	e
Seattle Country Day School [E.S.]	φ
Shady G.S.	π
Shelton View E.S.	i
Shorecrest H.S.	e
Shorewood E.S.	φ
Shorewood H.S.	φ
Sierra Vista M.S.	π
Skyline H.S.	φ
Skyview H.S.	e
Skyway E.S.	φ
Snoqualmie E.S.	e
Snowdon E.S.	e
Soap Lake E.S.	π
Somerset E.S.	i
Sorensen Magnet School	φ
South Pines E.S.	π
South Ridge E.S.	φ
Spiritridge E.S.	i
Spokane International Academy [6]	φ
Spokane Public Montessori	π

School Name - Division List	Assigned Division
SSCC	e
Sterling M.S. [7]	φ
Sterling M.S. [E.S.]	φ
Summit School	π
Sunnyside Christian School	π
Sunnyside E.S.	φ
Sunnyside H.S.	π
Sunnyslope E.S.	φ
Sunrise E.S. (Spokane Valley)	φ
Sunset E.S. (Airway Heights)	π
Tahoma H.S.	e
Tahoma M.S.	φ
Terrace Park School	φ
Tesla STEM H.S.	i
The Bear Creek School [78]	φ
The Bear Creek School [H.S.]	φ
The Bear Creek School (Redmond) [E.S.]	φ
The Meridian School	e
The Oaks [78]	π
The Oaks [E.S.]	e
The Oaks [H.S.]	π
Thomas Jefferson H.S.	i
Thomas Jefferson M.S.	e
Thornton Creek E.S.	φ
Tonasket E.S.	e
Truman E.S.	φ
Twin Falls M.S.	φ
Tye M.S.	φ
Union Ridge E.S.	e
University E.S.	e
University H.S.	π
Vale E.S.	φ
Valley Academy of Learning [78]	e
Valley Academy of Learning [E.S.]	π
Valley Christian School	π

School Name - Division List	Assigned Division
Valley School	π
Vancouver School of Arts and Academics	e
Vashon Island H.S.	φ
Vista E.S.	i
Wahitis E.S.	π
Warden E.S.	e
Washington E.S. (Sandpoint)	π
Washington E.S. (Wenatchee)	φ
Weatherwax H.S.	π
Wellpinit E.S.	π
Wenatchee H.S.	e
West Ridge E.S.	e
West Valley City School	e
Westwood M.S. [6]	e
Westwood M.S. [78]	π
White Bluffs E.S.	φ
Wilder E.S.	φ
Wiley E.S.	e
Wilkes E.S. (Bainbridge Island)	φ
Willows Preparatory School [6]	φ
Willows Preparatory School [78]	φ
Wilson E.S.	π
Windsor E.S.	e
Winton E.S.	e
Woodridge E.S.	e
Woodward M.S.	π