

SEVENTH GRADE CHECKLIST - Mathematics

Student _____

The skills and concepts listed below are those that Grace Christian School uses to evaluate a student's readiness for our seventh grade program. These are the areas that will be covered in our entrance testing. It is not necessary that a student be able to perform in each area perfectly, but he should have reached a level of maturity where he has the ability to perform at an 80% level in each area.

Please give this checklist to the student's sixth grade teacher(s) to fill out at the end of February. Because many sixth graders are in departmentalized programs, we have separated the English section from the Math section. If the student has one teacher for both, that teacher can return it to you or mail it to us directly. If the student has a teacher for each area, each teacher can return it to you or mail it to us directly. The teacher is to put a check mark in front of each section your student knows and can do. Under COMMENTS, the teacher should note any areas that will be taught after the form is filled out before the end of the school year.

MATH

Basic Operations

- _____ addition, subtraction, multiplication, division
- _____ order of operations

Decimals

- _____ adding, subtracting, multiplying and dividing decimals
- _____ place value, i.e. tenth, hundredth, thousandth, etc.
- _____ rounding decimals

Fractions and Mixed Numbers

- _____ compare and order fractions
- _____ adding, subtracting, multiplying and dividing fractions with unlike denominators
- _____ converting fractions to decimals
- _____ converting decimals to fractions
- _____ adding, subtracting, multiplying and dividing mixed numbers

Ratio/Proportion/Percent

- _____ finding percent of change
- _____ determine ratio and proportions
- _____ find rates

Factoring

- _____ finding prime factors of whole numbers
- _____ finding least common multiple
- _____ finding greatest common factor

Geometry

- _____ classification of triangles and quadrilaterals
- _____ identify angles
- _____ area of a rectangle, square, triangle, circle
- _____ perimeter of a rectangle, square
- _____ circumference of a circle
- _____ volume of prisms, cylinders

Metric Equivalents

- _____ deca = 10
- _____ hecto = 100
- _____ kilo = 1,000
- _____ milli = 1/1,000
- _____ centi = 1/100
- _____ deci = 1/10

Integers

_____ adding, subtracting, multiplying and dividing

Statistics/Graphing

- _____ mean, median, mode
- _____ stem/leaf plots
- _____ bar/line/circle graphs

COMMENTS

Signature of person filling out the form _____ Date

Print name _____

Relationship to student (teacher, tutor, etc.) _____

MAIL OR BRING this checklist to GRACE CHRISTIAN SCHOOL, 7210 RACE TRACK ROAD, BOWIE, MD 20715 by March 1st. THIS FORM MUST BE ON FILE WITH YOUR APPLICATION FOR YOUR STUDENT TO BE CONSIDERED FOR ENROLLMENT. IF APPLYING AFTER MARCH 1st, SEND THE APPLICATION IN AS SOON AS POSSIBLE AND MAIL THE CHECKLIST AFTER THE TEACHER HAS COMPL