

Cumulative Test Project Topics for Spring Semester 2019: Grade 7

Please check all future efforts against the following guidelines:

1. Has each of the topics listed on the Cumulative Test Project sheet been written in **red** on the loose leaf pages?
2. Has the student gone to the textbook, workbook, or supplementary worksheets to find each set of directions associated with those topics and written them in pencil on the loose leaf pages?
3. Has the student completed one original example for each set of directions? Does the example reflect the type of work found on the starred examples in the notebook, or has the student used some "very minimal" example that I would never use on a test?
4. Does each loose leaf sheet have the required heading?

Student's Legal Name Date: (e.g. January 28, 2019)

Saint Gabriel School Grade 6, 7, or 8

5. Is the assignment being done a little each night, or is your child rushing the assignment into the last few nights before it is due?
6. Please do not sign any assignment that is not neatly completed with all work properly spaced for easy reading! A parent's signature does not make an unacceptable assignment acceptable!!!

The following topics need to be mastered for the cumulative test:

1. Write and evaluate algebraic expressions.
2. Write equivalent expressions for given expressions.
3. Use properties of operations to simplify expressions.
4. Expand expressions using the Distributive Property.
5. Use common factors and the Distributive Property to factor expressions.
6. Add expressions that represent real-world problems.
7. Subtract expressions using the properties of operations.
8. Use an equivalent expression to find new information.
9. Represent a problem with a two-step equation.
10. Solve problems with a two-step equation.
11. Use the Distributive Property to solve equations.
12. Solve inequalities using addition or subtraction.

13. Solve inequalities using multiplication or division.
14. Write and solve two-step inequalities.
15. Solve inequalities that involve multiple steps.
16. Determine if a sample is representative of a population.
17. Make inferences about a population from a sample data set.
18. Draw comparative inferences about two populations using median and interquartile range.
19. Compare populations using the mean, median, mode, range, interquartile range, and the mean absolute deviation.
20. Describe the likelihood that an event will occur.
21. Determine the theoretical probability of an event.
22. Determine the experimental probability of an event.
23. Use probability models to find the probabilities of events.
24. Find all possible outcomes of a compound event.
25. Find the probability of a compound event.
26. Simulate a compound event to approximate its probability.
27. Use the key in a scale drawing to find missing measurements.
28. Draw figures with given conditions.
29. Draw triangles when given information about their side lengths and angle measurements.
30. Solve problems involving angle relationships.
31. Solve problems involving radius, diameter, and circumference of circles.
32. Solve problems involving the area of a circle.
33. Determine what the cross section of a figure looks like when a 3-D figure is sliced.
34. Find the area and surface area of 2-dimensional composite shapes and 3-dimensional prisms.
35. Use the area of the base of a three-dimensional figure to find its volume.

Be sure to include word problems that represent each topic in your Cumulative Test Project. Also, be certain to include the sets of directions from both the Pearson and Sadlier books. Students may also wish to review the “Fluency Practice” topics as they will certainly be included on the State Test.