



Skills, Logic, Reasoning, Patterns & Meaning

Explorer Student Guide, MATH

Prepared by Serenity Learning Center

Math Independent Study

The ability to follow directions, challenge yourself and ask questions are vitally important to having an enjoyable and successful life. These skills with logical thinking and problem solving will give you an advantage as you move towards independence. It is important you participate in group activities AND take full responsibility for your independent study time.

1. As you are working through the skills in this guide, be as creative as you can. Take the challenge to show of skills you are comfortable with and make your examples as exciting or interesting as you can.
 - You may find there are some you need help or more practice with. It's a valuable skill to be able to recognize and ask when you need help! Ask your teacher or parent for support by letting them know which page you're on.
 - NOTE to the teacher/parent: Let the students explain for themselves the parts they do understand and what they think may be the meaning of the part they aren't sure of. Instead of making it easy for them to pass through the page, provide a resource for more learning and practice on the topic first. Games are especially great for hands-on practicing. Math Inspirations has great activities and learning/practice pages on many of these topics. Once your student is more comfortable with the skills, they can come back to the page and use their skills and creativity to challenge themselves and move forward.
2. Record your progress for the day in this format:

Write the title and page number you are working on the top of your paper.

Write today's date and if you use other resources to research or practice write. (IE: "Name of Game" or "Title of Book, Page #")

Record your exercises **and an example of when you would need this skill in your life** on this page and when you've shown mastery of the skills by completing all the exercises, turn this page into your teacher/parent for their approval or feedback.

Your teacher/parent is looking for the following:

Neat & organized page of work.

Multiple examples showing your level of understanding the skill.

Your idea about where this skill is useful in your life.

You will be asked to revisit the skill if it is difficult to read your work, or you seem to have not understood the instructions.

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