

# INDEX CARD MATH

**Purpose:** Students will complete a variety of math equations for their appropriate age.

**Suggested Grade Level:** 1-5

**Math SOL:** Estimation and Computation 1.5, 2.5, 2.6, 2.7, 3.4, 3.5, 3.7, 4.4, 5.4, 5.5

**Equipment/Materials Needed:**

1. 30 index cards – 6 of 5 different colors (see attached)
2. Worksheet (see attached)

**Advanced Preparation:**

1. Change attached cards to fit what you are teaching.
2. Print the cards on 5 different colors of paper.
3. Fold the cards page in half long ways (hot dog bun), staple or glue each card together, and then cut apart each card  
\*\*\* Special Note \*\*\* Make sure that the same equation and exercise on card number 1 yellow is the same as card number 1 blue and card number 1 green, etc...
4. Copy worksheet for each student.
5. Place index cards, equation side down, all over the room.

**Directions:**

1. Tell students that they will be assigned a “circuit” color.
2. Tell students that they will complete all equations of their color on the worksheet provided.
3. Assign students to a color, have them write their color on the worksheet in the space provided, and have them go to an index card of that color. All students should be at their own index card.
4. Explain to students that whatever number is on the card, is what number box they are to write the equation in on their worksheet and solve. If the number on the index card say 3 than the student should write the problem and solve it in box number 3 on the worksheet.
5. Tell students they will do this for all cards of their color. They do not need to go to the index cards in numerical order. They may go to any card in their color that is unoccupied and solve that equation.
6. Tell students that they are to leave the index card in the same location as they found it when they complete the equation.
7. Tell students each card has an exercise listed at the bottom and they are to participate in that exercise listed following the completion of each equation before they move to the next index card.
8. When students finish, have them compare their answers with others. All students should have the same answer for each problem since all color circuits have the same equation for each number.
9. Go over answers with class at the end to review.

**Teaching Suggestions:**

1. Make sure that all cards have the same equations. As mentioned before all cards labeled with number 1 with have the same problem, no matter the color card.
2. Remind students to do the exercises listed at the bottom of each card before moving on.
3. Remind students to place cards equation side down so other people who share their circuit color can find all of the numbers.

*This lesson was developed by the School Health Initiative Program (SHIP) for the Williamsburg James City County Public Schools (WJCCPS), Williamsburg, VA. SHIP is funded by the Williamsburg Community Health Foundation (WCHF). Parts or all of this lesson can be used and reproduced without permission provided that SHIP, WJCCPS and WCHF are credited.*



**Modifications/Variations:**

1. Use this activity for placing words in ABC order or writing numbers from greatest to least.
2. If colored index cards are not available, use different colored markers to write the equations and assign students a circuit color based on the ink color.

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Name \_\_\_\_\_

Date \_\_\_\_\_

Group Color: \_\_\_\_\_

**DIRECTIONS:** You will be assigned a circuit color. Go to an index card of that color. Solve the problem on the index card on this sheet of paper. Make sure the number on the card matches the number on this paper. Do the exercise listed at the bottom of the card. Put the card back where you got it and move to another unoccupied card of your color. Continue until you have completed all 6 problems.

1.	2.
3.	4.
5.	6.

**1**

**1.**

**11 x 8**

10 Squats

**2**

**2.**

**4 x 15**

10 Jumping Jacks

**3**

**3.**

**3 x 25**

10 Jumps

**4**

**4.**

**7 x 14**

10 Cross Crawls

**5**

**5.**

**6 x 47**

10 Toe Touches

**6**

**6.**

**2 x 87**

10 Sky Punches