# First Name and Last Initial \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade \_\_\_\_\_\_

**SECTION 1 - Memory**

Practice \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SECTION 2**

DIRECTIONS: *Find the number that goes in each box*. *You really need to show your math work.*

**P1.**  7 = + 3

**P2.**  3 + 4 = + 5

**P3.**  4 + 5 + 8 = + 8

**P4.** 7 + 6 + 4 = 7 +

**P5.**  5 + = 6 + 2

**P6.**  + 6 = 8 + 5 + 6

**P7.**  8 + 5 – 3 = 8 +

**P8**. 5 – 2 + 4 = + 4

**SECTION 3**

**C3.** What does the equal sign (=) mean?

Can it mean anything else?

**C4.** Which answer choice below would you put in the empty box to show that ten cents is the same amount of money as one dime? Circle your answer.

10 cents One dime

a) 10¢

b) =

c) +

d) don’t know

**C5.** For each example, decide if the number sentence is true. In other words, does it make sense?

After each problem, circle True, False, or Don’t Know.

**Samples:**

3 + 4 = 7 True False Don’t Know

3 + 4 = 12 True False Don’t Know

a) 8 = 8 True False Don’t Know

b) 7 + 6 = 0 True False Don’t Know

c) 31 + 16 = 16 + 31 True False Don’t Know

d) 7 + 6 = 6 + 6 + 1 True False Don’t Know

e) 8 = 5 + 10 True False Don’t Know

f) 8 = 5 + 3 True False Don’t Know

**C6.** Is this a good definition of the equal sign? Circle good, not good, or don’t know.

a. The equal sign means two amounts are the same. Good Not good Don’t Know

b. The equal sign means count higher. Good Not good Don’t Know

c. The equal sign means the total. Good Not good Don’t Know

**C7.** Which of the definitions above is the ***best*** definition of the equal sign? Write a, b, or c in the box below.

**C8.** Decide if the number sentence is true. Then, explain how you know.

4 + 1 = 2 + 3 True False Don’t Know

How do you know?

**C9**. In this statement:

1 quarter = 25 pennies

What does this equal sign mean?

Please circle the word that best tells what you think. There are no right or wrong answers.

EXAMPLE:

I like strawberry ice cream.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

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**1.** In math class, I like to do things that I can do well, not things that I do not do

so well on.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**2.** I want to do math work that is challenging.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**3.** In math class, I am happiest when I do math work that I know I won’t

make any mistakes on.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**4.** When I can’t finish a hard math problem, I just work even harder until I

figure it out.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**5.** The things I enjoy the most about math are the things I can do the best.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**6.** I like it when math work challenges me so I can learn new things.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**7.** It is important for people to think I am good at math.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**8.** I want to learn as much as possible about math, even if I have to work

hard.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**9.** I feel smart when I do math work without making any mistakes.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**10.** In math class, I feel the best when I am working on a problem that is kind

of hard for me.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**11.** I only like new math work when I am sure I can do it without making

mistakes.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**12.** Even if I make a lot of mistakes in math, I keep on working until things

get better.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**13.** I like to keep on doing math work that I know I can do a good job on, not

try new things.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**14.** I really like learning different ways to do math work.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**15.** I feel smart in math when I can do something better than most other students.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**16.** I like to try different ways of solving hard math problems so I can see

which one will work.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

Please circle the word that best tells how much you would, or would not, want to pick the following math activities.

**17.** Math Activity 1

If you pick this activity, you will learn a lot of new things. But you may make a bunch of mistakes at first, get a little confused, and maybe not feel very smart at times. But in the end, you will learn some useful things.

I would like to pick this activity.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**18.** Math Activity 2

If you pick this activity, you will not learn new things, but it will really show me what students can do. You also will not make many mistakes or feel confused, and you would probably do a very good job on it.

I would like to pick this activity.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

Please circle the word that best tells what you think. There are no right or wrong answers.

**19.** If I have to work hard to figure out new math work, it makes me feel like I am not very smart.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**20.** If I feel confused when I am learning new math work, it makes me feel like I’m not very good at math.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**21.** If I have to work hard to figure out new math work, I think it is good because it means I will probably learn a lot doing it.

**Strongly Disagree Agree Strongly**

**Disagree Agree**

**22.** If I feel confused when I am learning new math work, I do not mind because it means I will probably get to learn a lot.

**Strongly Disagree Agree Strongly**

**Disagree Agree**