

Learn Fresh Pre-Assessment - Grades 6 and Over

Name (First and Last): _____

Grade: _____

Your state: _____

Your after-school site: _____

Gender (Circle answer):

Male Female

Ethnicity (Circle all that you identify with):

American Indian or Alaskan Native

Asian, Native Hawaiian, or other Pacific Islander

Black or African-American

Hispanic or Latino

White

Other

Which team won the NBA Championship last season? (Circle one)

Cleveland Cavaliers

Golden State Warriors

Detroit Pistons

Houston Rockets

Pre-Assessment Survey

Directions: Circle the response that best describes how you feel.

How often do you try as hard as you can in math class?

Never Hardly Ever Sometimes Most of the Time Always

How often do you complete your assignments in math class?

Never Hardly Ever Sometimes Most of the Time Always

Math doesn't scare me at all.

Strongly Disagree Disagree Neutral Agree Strongly Agree

I see math as a subject that I will rarely use.

Strongly Disagree Disagree Neutral Agree Strongly Agree

If a math problem is hard, I usually give up quickly.

Strongly Disagree Disagree Neutral Agree Strongly Agree

I'll need mathematics for my future work.

Strongly Disagree Disagree Neutral Agree Strongly Agree

I usually enjoy math-related activities.

Strongly Disagree Disagree Neutral Agree Strongly Agree

I enjoy being competitive with my peers.

Strongly Disagree Disagree Neutral Agree Strongly Agree

When I don't win, I am always respectful of my opponents.

Strongly Disagree Disagree Neutral Agree Strongly Agree



Math Hoops Agility!

Directions: You have 90 seconds to answer as many of the following questions as possible. Numbers that are not whole should be expressed as decimals. Try your best!

$7 + 1 = \underline{\quad\quad}$

$6 + 5 = \underline{\quad\quad}$

$6 - 3 = \underline{\quad\quad}$

$9 - 7 = \underline{\quad\quad}$

$6 \times 6 = \underline{\quad\quad}$

$2 \times 8 = \underline{\quad\quad}$

$9 \div 3 = \underline{\quad\quad}$

$7 \div 1 = \underline{\quad\quad}$

$7 + 5 = \underline{\quad\quad}$

$9 - 1 = \underline{\quad\quad}$

$9 \times 0 = \underline{\quad\quad}$

$6 \div 2 = \underline{\quad\quad}$

$7 \times 7 = \underline{\quad\quad}$

$5 \times 2 = \underline{\quad\quad}$

$7 - 1 = \underline{\quad\quad}$

$8 \div 2 = \underline{\quad\quad}$

$4 \times 5 = \underline{\quad\quad}$

$3 \times 4 = \underline{\quad\quad}$

$9 \div 2 = \underline{\quad\quad}$

$8 - 7 = \underline{\quad\quad}$

$8 \times 7 = \underline{\quad\quad}$

$5 \times 8 = \underline{\quad\quad}$

$8 - 8 = \underline{\quad\quad}$

$1 \times 1 = \underline{\quad\quad}$

$5 \div 2 = \underline{\quad\quad}$

$10 \div 3 = \underline{\quad\quad}$

$7 \times 9 = \underline{\quad\quad}$

$9 + 8 = \underline{\quad\quad}$

$4 + 3 = \underline{\quad\quad}$

$3 - 2 = \underline{\quad\quad}$

STOP After 90 seconds! The clock has run out of time!

Directions: Circle your answer for each of the following questions.

1. Included below are LeBron James' stats from two games in March 2016.

2/21: 11 shots made, 22 shots taken

2/24: 8 shots made, 13 shots taken

Given these numbers, which decimal and fraction combination accurately represents his shooting average for these two games?

- A) .229, 8/35 B) .371, 13/35 C) .457, 16/35 D) .542, 19/35**

2. You have drafted a roster of 8 NBA and WNBA players. Their names and positions are included below.

Anthony Davis, Center

Brittney Griner, Center

Dirk Nowitzki, Forward

Jabari Parker, Forward

Kevin Love, Forward

John Wall, Guard

Kyrie Irving, Guard

Skylar Diggins, Guard

What percentage of players on the roster are centers?

- A) 50% B) 25% C) 32.5% D) 37.5%**

3. A player's shooting percentage demonstrates the relationship between the number of shots made and the number of shots taken. A player who makes a greater proportion of her shots will have a higher shooting percentage.

Given the information provided below, which player has the highest shooting percentage?

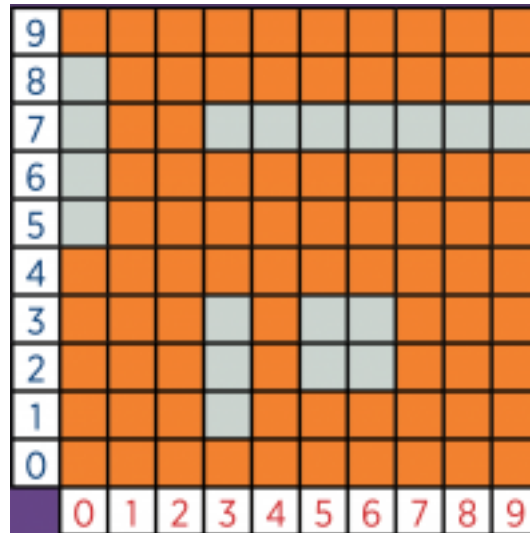
A) Player A - 200 shots made, 400 shots taken

B) Player B - 300 shots made, 500 shots taken

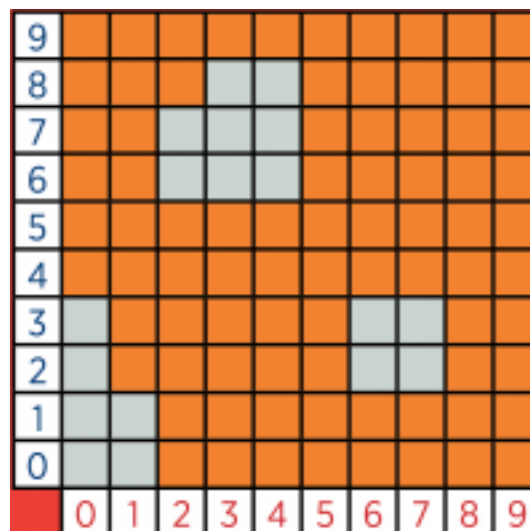
C) Player C - 350 shots made, 900 shots taken

4. Look at the two grids included below:

Player #1



Player #2



Knowing that the light grey boxes represent missed shots, which set of coordinates represents a missed shot for both Player #1 and Player #2?

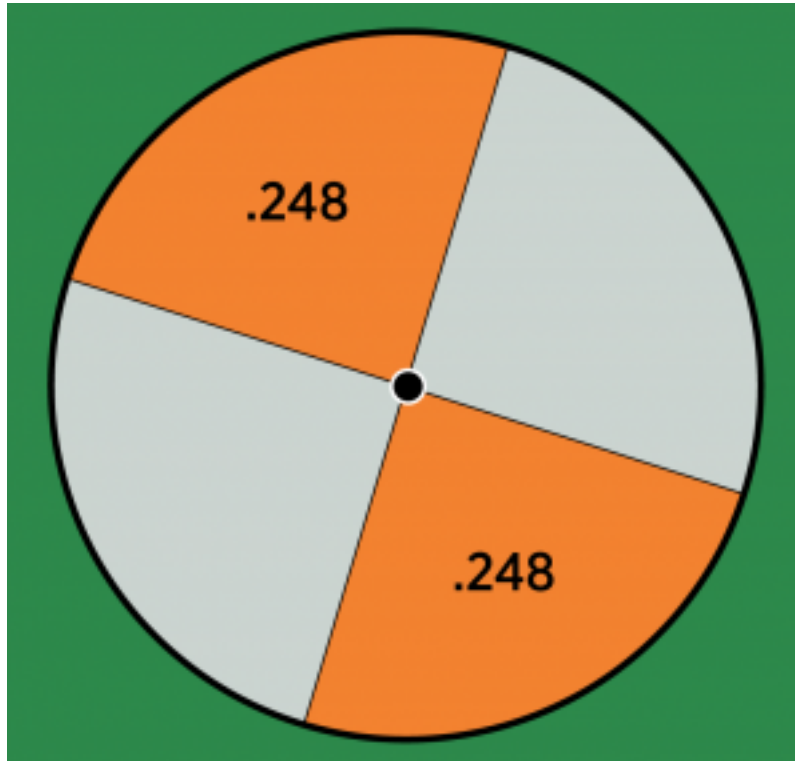
A) (0,7)

B) (1,1)

C) (4,6)

D) (6,2)

The graph below represents an NBA player's shooting percentage. All orange sections represent made shots and all grey sections represent missed shots.



5. Reference the circle graph included above, in which the numbered (orange) sections of the graph represent the percentage of shots made by an NBA player.

If this player were to take 200 shots, approximately how many would he make?

- A) 59 B) 99 C) 129 D) 159

Congratulations on finishing the Pre-Assessment!
You are on your way to becoming a Math Champion!

Remember, if you play 25 games and complete 10 skills sheets, you can become a Learn Fresh All-Star Student and apply for the National Championship!