

Station 1

Instructions: *Everyone works together.*

1. Each student in this group should choose two index cards without looking. (It's ok if there are some left over).
2. Each student should hold his or her cards up so everyone can see the number on it.
3. Your task is to work together to **add** all of the numbers that the students are holding.

(Write all the numbers on the paper.)

Station 2

Instructions: Pick a partner.

1. Roll the dice to create square roots. Write the two numbers in the boxes inside the radical sign.
2. Work with a partner to decide if the root can be simplified. If so write the simplified root. If not, write “cannot be simplified.”
3. Repeat the process four more times.

(Show all work on the paper.)

Station 4

Instructions: Pick a partner.

1. Roll the dice to create two square roots. Write the two numbers in the boxes inside the radical sign.
2. Work with a partner to write the product of the square roots. Simplify the answer if possible.
3. Repeat the process four more times.

(Show all work on the paper.)

Station 3

Instructions: *Everyone works together.*

1. Work with the group to find pairs of cards that show the same number.
2. Write the pairs on your paper.
3. Check that the sides are equal.

(Show all work on the paper.)

Station 5

Instructions: *Everyone works together.*

1. Work with the group to find pairs of cards that show the same number.
2. Write the pairs on your paper.
3. Check that the sides are equal.

(Show all work on the paper.)

Square Root Stations

Name: _____

Station 1

Work together to simplify the square roots by writing each in the form of $x\sqrt{2}$. Next, add the square roots. When everyone agrees, write the sum below. Show your work here.

Station 3

Write 5 statements that use an equal sign to list the pairs of equal numbers.

Write two strategies you could use to help you decide which numbers are equal.

Station 5

Write 5 statements that use an equal sign to list the pairs of equal numbers.

Write two strategies you could use to help you decide which numbers are equal.

Station 2

Roll the dice to create a square root. Decide if this can be simplified with your partner. Is so, simply it. If not, write "cannot be simplified".

$$\sqrt{\square\square} = \underline{\hspace{2cm}}$$

Repeat this four more times.

$$\sqrt{\square\square} = \underline{\hspace{2cm}}$$

$$\sqrt{\square\square} = \underline{\hspace{2cm}}$$

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$$\sqrt{\square\square} = \underline{\hspace{2cm}}$$

Station 4

Roll the dice to create a square root. Decide if this can be simplified with your partner. Is so, simply it. If not, write "cannot be simplified".

$$(\sqrt{\square})(\sqrt{\square}) = \underline{\hspace{2cm}}$$

Repeat this four more times.

$$(\sqrt{\square})(\sqrt{\square}) = \underline{\hspace{2cm}}$$

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