**NEGATIONS**

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Two clowns named **YEP** and **NOPE** are best friends. Their favorite game to play is called “Negations.” Whenever **YEP** states an opinion on something, **NOPE** immediately makes the opposite statement. Neither clown cares whether they say true things or nonsense.

For example:

**YEP:** At night, all people are asleep.

**NOPE:** Some people are not asleep at night. For example, my neighbor plays his drum all night long!

Or:

**YEP:** It is never too late to learn!

**NOPE:** Sometimes it is too late to learn. For example, it’s too late for us to learn how to dance classical ballet.

Q1: Why is **NOPE**’s response in each case above the OPPOSITE of **YEP**’s?

In most cases, the clowns have no difficulties objecting to each other. But sometimes they struggle to get it right. They once had the following interaction:

**YEP:** All bunnies can fly.

**NOPE:** No bunnies can fly!

Neither was sure if **NOPE**’s reply was correct.

Q2: Is NOPE’s response correct? If so, why? If not, what should it be and why?

*Hint: What would be enough to prove* ***YEP****’s statement wrong?*

 Page 2 of 3

For each statement **YEP** makes below, decide with your group which statement from **NOPE** (A or B or C) should be the correct “opposite” or “negation.” Also decide which of the statements (A or B or C) are true and which are false.

Q3:

**YEP:** All kids go to school!

**NOPE:**

A. Some kids go to school!

B. Some kids do not go to school!

C. All kids do not go to school!

 Q4:

**YEP:** Some books are interesting!

**NOPE:**

A. Some books are not interesting!

B. All books are interesting!

C. All books are not interesting!

The clowns noticed a few things after a while. See if you notice it too:

Q5: To negate a statement of the type **All (…) do (…)** it is enough to find \_\_\_\_\_\_\_?\_\_\_\_\_\_\_\_
 So that the statement becomes \_\_\_\_\_\_?\_\_\_\_\_\_

Q6: To negate the statement **Some (…) do (…)** we get the statement \_\_\_\_\_\_?\_\_\_\_\_\_

Find the negations of each of the following. Discuss with your group/

Q7: Some stars are visible in bad weather.

Q8: All princesses wear pink.

Q9: All of Bob’s jokes are terrible.

Q10: Sometimes **YEP** eats spumoni ice cream.

 Page 3 of 3

Q11: Match each statement of **YEP** on the left with each of **NOPE**’s responses on the right.



Q12-15: Play the role of **YEP** by coming up with three statements like the ones you’ve been working with and challenge your neighbor to be **NOPE**. Let them return the favor. Discuss your answers as you go.