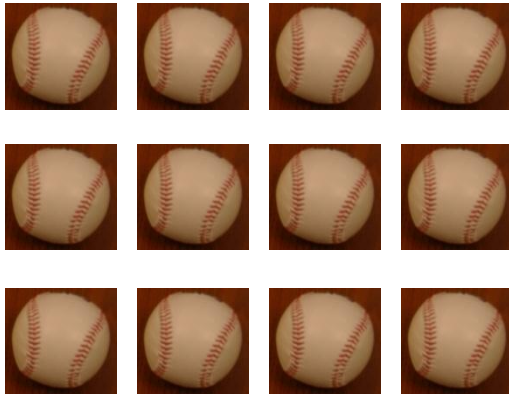


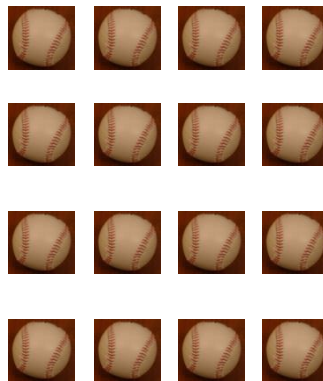
## EQUATIONS SKILL TEST 1: CONCEPT AND SYMBOLS

Note to teachers: It may be helpful to use a cover sheet of paper. Pull the cover sheet down far enough to show the model and read the text. Then, pull the sheet of paper down to show the problem and read the directions. Record “+” for an independent correct response or “-“ for incorrect response beside problem.

\_\_\_ This shows 3 sets of 4 baseballs.

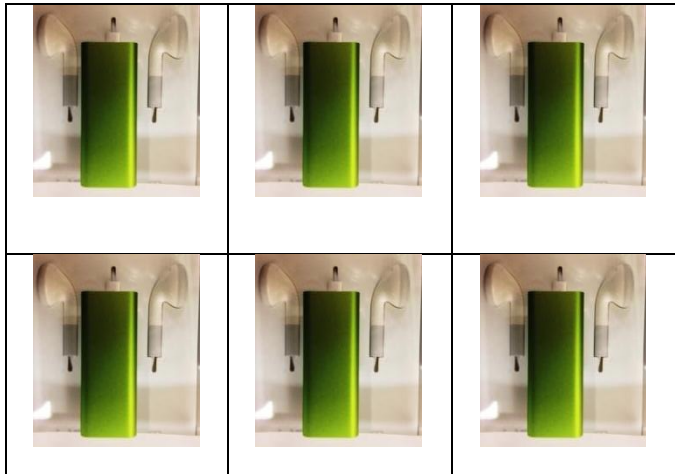


**STUDENT PROBLEM: Which picture shows 4 sets of 4 baseballs?**

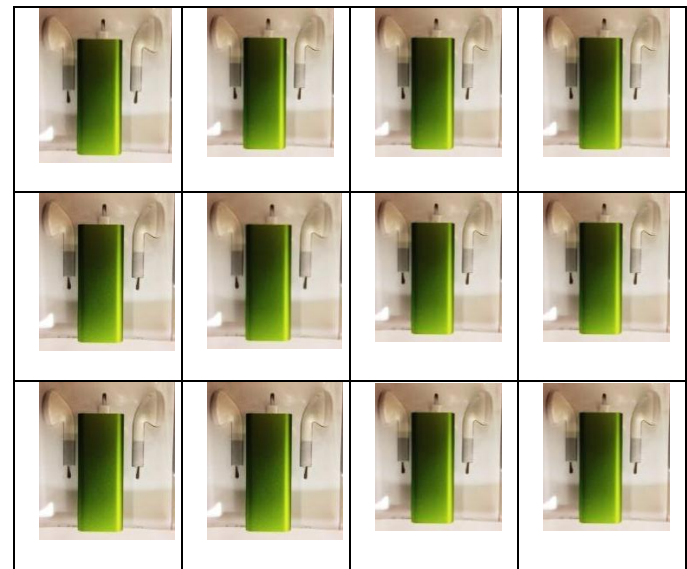
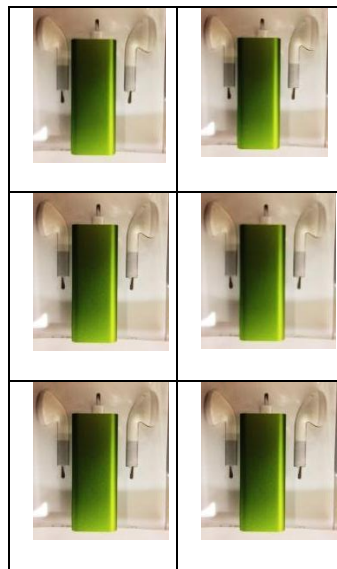
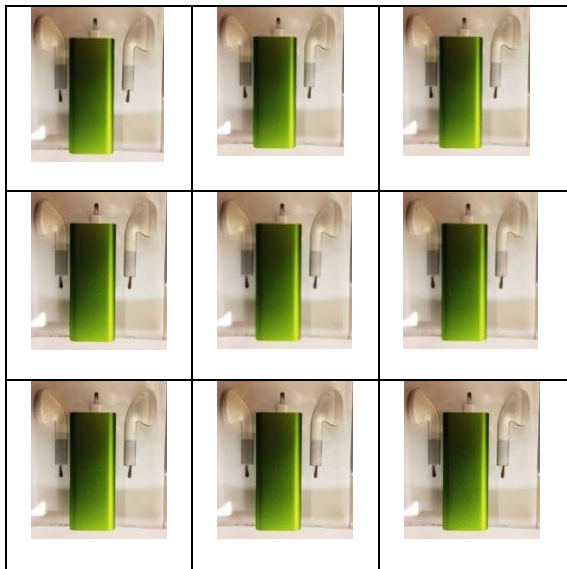


Student Name: \_\_\_\_\_

\_\_\_ This shows 2 sets of 3 iPods.



**STUDENT PROBLEM:** Which picture shows 3 sets of 4 iPods?



Student Name: \_\_\_\_\_

\_\_\_ This picture shows 2 sets of 5 backpacks.



**STUDENT PROBLEM:** Which picture shows 3 sets of 6 backpacks?



Student Name: \_\_\_\_\_

\_\_\_ This picture shows 2 sets of 2 calculators.



**STUDENT PROBLEM:** Which picture shows 2 sets of 4?



Student Name: \_\_\_\_\_

\_\_\_ Sasha buys 3 bags of oranges. We don't know how many oranges are in each bag, but we know each bag has the same number of oranges. If we use the letter o to represent the unknown number, we would write the number of oranges as 3o.



3o

**STUDENT PROBLEM:** Ben bought 6 bags of oranges. If we use the letter o to represent the unknown number, how would we write the number of oranges that Ben bought? Students who cannot write can use Velcro numbers/letters, direct the teacher what to write, or use assistive technology to answer.



\_\_\_\_\_

Student Name: \_\_\_\_\_

\_\_\_ Mr. Thompson got 4 cups of pencils for his students. He doesn't know how many pencils are in each cup. If we use the letter  $p$  to represent an unknown number, we would write the number of pencils as  $4p$ .



**4p**

**STUDENT PROBLEM:** Mrs. Parker got 7 cups of pencils for her students. If we use the letter  $p$  to represent an unknown number, how would you write the number of pencils there are? Students who cannot write can use Velcro numbers/letters, direct the teacher what to write, or use assistive technology to answer.



\_\_\_\_\_