

BEACH BALL PLACE VALUE

Purpose: Students will recognize numbers and decide if they are in the ones, tens, or hundreds place value sequence.

Suggested Grade Level : 2 - 5

Math SOL: Number and Number Sense 2.1, 3.1, 4.1, 5.1

Equipment/Materials Needed :

1. 1 beach ball
2. marker
3. exercises to represent each place value(example attached)

Advance Preparation:

1. Write a variety of numbers on beach ball, underlining specific place values

Directions:

1. Assign an exercise for each place value.
2. Have students stand next to their desks.
3. Toss the beach ball to a student in the class.
4. When the student catches the ball, or picks up a dropped ball, tell he/she to read the number closest to his/her left thumb and the number that is underlined.
5. Tell the student to tell the class the underlined number, the place value and how much it is worth.
6. Have the class participate in the exercise the same number of times as the underlined number. (example 7,348 – the tens place is underlined, it is worth 40... everyone does 4 cross crawls)
7. Have the student toss the ball to another student.
8. Make sure that all students have a turn catching the ball.

Teaching Suggestions:

1. After each student's turn you may want the ball tossed back to you so that you can toss it to another student.
2. Have students write the number down at their desks.

Modifications/Variations:

1. Write numbers to fit grade level.
2. Ask students to catch the ball and read the number at the left thumb and right thumb, and then ask the class to add/subtract/ multiply/divide (depending on class level) the two numbers on a piece of paper at their desk.
3. The student who catches the ball can round the number up or down, or state whether the number is odd or even, or is greater or less than the previous student's number.

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PLACE VALUE EXERCISES

MILLIONS	LUNGES
HUNDRED THOUSANDS	SKY PUNCHES
TEN THOUSANDS	SQUATS
THOUSANDS	JUMPING JACKS
HUNDREDS	BASKETBALL SHOT
TENS	CROSS CRAWLS
ONES	JOG IN PLACE



TENTHS	HOP ON ONE FOOT
HUNDREDTHS	SCISSOR KICKS
THOUSANDTHS	HEEL RAISES
TEN THOUSANDTHS	WINDMILLS
HUNDRED THOUSANDTHS	ARM CIRCLES