



The Big Picture

Recommended for year 1
 Strategy A - Act it Out/Make a Model.
 Children will solve the problem by physically interacting with it

A2 Hoop Shot



NC Objectives

- add and subtract one-digit and two digit numbers to 20, including zero
 (Addition and subtraction Year 1)

Stickability

Children add and subtract two single-digit numbers and count on or back to find the answer (ELG 11)

solve problems with addition, using concrete objects and pictorial representations (year 2: + and -)

Key Questions

Can you use the same basket more than once?
 How can you make a high score?
 How can you make a low score?

Resources

To model the baskets you could use containers with labelled numbers for scores.

Problem based learning

Children must understand that there are many ways of reaching the same total.

They must understand that a number can be used many times.

LEARNING SEQUENCE

HOOK

Show children a picture of the basketballs and hoops and ask them who likes to play ball games.
 Experiment with making different totals with the scores.

Teacher Led

Introduce the PitSTOP 2 problem to the children. Discuss possible solutions to the problem, sharing and modelling addition strategies, using a number line as needed. Look also at the key questions in PitSTOP 3.

Student Led

Children to investigate PitSTOP 4 in pairs and report back.

Support: PitSTOP 1

Teacher Led

Show PitSTOP 5 and model how to add three numbers, using a number line as needed.

Allow time in pairs at the carpet to find ways of scoring 5 with three basketballs.

AFL & Independent

Give out PitSTOP 6 to children that are ready to add three numbers.

Support: group with PitSTOP 4 or 5, as needed.
 Extension: PitSTOP 7

PLENARY

What was difficult about this problem? Show me how you added three numbers? What does total mean? Did you find more than one solution?