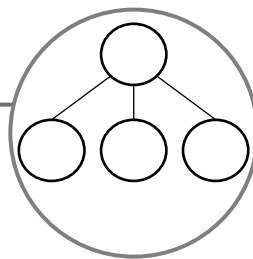


Part-Whole Model



Dare to be Different: An activity for a group to be used in class or an intervention to practise partitioning numbers and representing this using part-whole models.

Resources: You will need part-whole models with three parts, counters and digit cards 5 to 10

Activity: Place digit cards face down in the middle of the group. Turn over one digit card. Challenge the children to represent the number on a part-whole model using the counters. The aim of the game is for everyone to find a different way to partition the number. When everyone has completed their part-whole model, compare them with the other members of the group. If they have partitioned the number in the same way as someone else, give them opportunity to change. Every correct answer scores one point, every unique correct answer scores two points. If the same number of counters are placed in different parts, this is classed as a unique answer.

Example:

The digit card 7 is turned over.

Player 1: Places 3 counters in the first part, 4 counters in the second and 0 counters in the third. Scores 2 points.

Player 2: Places 0 counters in the first part, 4 counters in the second and 3 counters in the third. Scores 2 points.

Player 3: Places 1 counter in the first part, 1 counter in the second and 5 counters in the third. Scores 1 point.

Player 4: Places 1 counter in the first part, 1 counter in the second and 5 counters in the third. Scores 1 point.

Player 5: Places 2 counters in the first part, 2 counters in the second and 2 counters in the third. Scores 0 points.

The activity continues until all digit cards have been used.