Puzzling squares

Use numbers 0 to 7 to make a total of 10 on each side of a square.

Skills practised:

- Using number facts to solve puzzles
- Adding three single-digit numbers

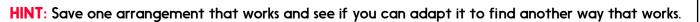
Conjecture: It matters which numbers you put on the corners to solve the puzzle.

What to do:

Children work individually or in pairs.

- 1. Copy this square onto a piece of paper so that the circles are big enough for you to place digit cards over them (or use resource).
- 2. Use the 0 to 7 digit cards once each so that the total of each side is 10.
- 3. Once you have found a way, copy your arrangement of cards into your book.
- 4. Now try and find a different way.

What happens if you put the big numbers on the corners? What happens if you put 0, 2, 4 and 6 on the corners? What happens if you put 1, 3, 5 and 7 on the corners?



Aims:	Minimum number of
– To find trios of numbers with a total of 10.	calculations expected
– To use reasoning skills to solve a number puzzle.	10

