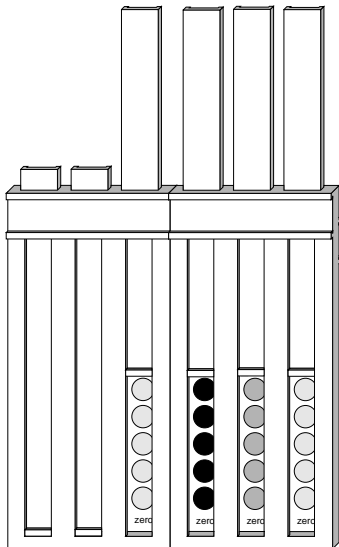


NON-PLACE VALUE

ARRAYS - NUMBER FACTS



From a 4 x 5 array, and considering the **number family** (4 5 20), the following facts can be derived:

$$4 \times 5 = 20$$

$$5 \times 4 = 20$$

$$20 \div 4 = 5$$

$$20 \div 5 = 4$$

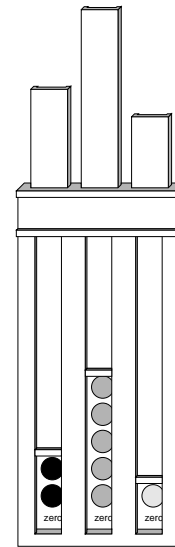
$$\frac{1}{4} \times 20 = 5$$

$$\frac{1}{5} \times 20 = 4$$

"Make a 6 x 4 array, write the number family and the six number facts."

NON-PLACE VALUE

COMMON FRACTIONS



"Show 2 red, 5 orange and 1 yellow circle."

"Of the circles you can see, what fraction is yellow?" (1/8)

"What fraction is red?" (2/8)

"What other fraction is equal to 2/8?" (1/4)

"What fraction of all the red circles is showing?" (2/10)

"What fraction of all the red circles is hidden?" (8/10)

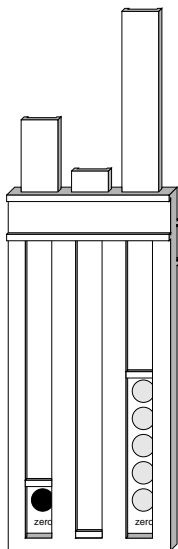
"Show me 4/10 of the orange circles."

"Show me circles so that 1/4 of them are yellow."

"Show me 3/10 of all the circles."

NON-PLACE VALUE

MATHEMATICAL LANGUAGE



"Show me **more** yellow circles than red."

"Show me **lots of** orange circles."

"Show me **less red than** orange."

"Show me **the same** number of orange and yellow circles."

"Show me red and yellow so they are **equal**."

"Show me yellow circles so that you could say you had **none**."

NON-PLACE VALUE

ORDERING



"Arrange these numbers in order, smallest on the left."

"Now arrange them in order, largest on the left."

