Multiplying and Dividing by Powers of Ten
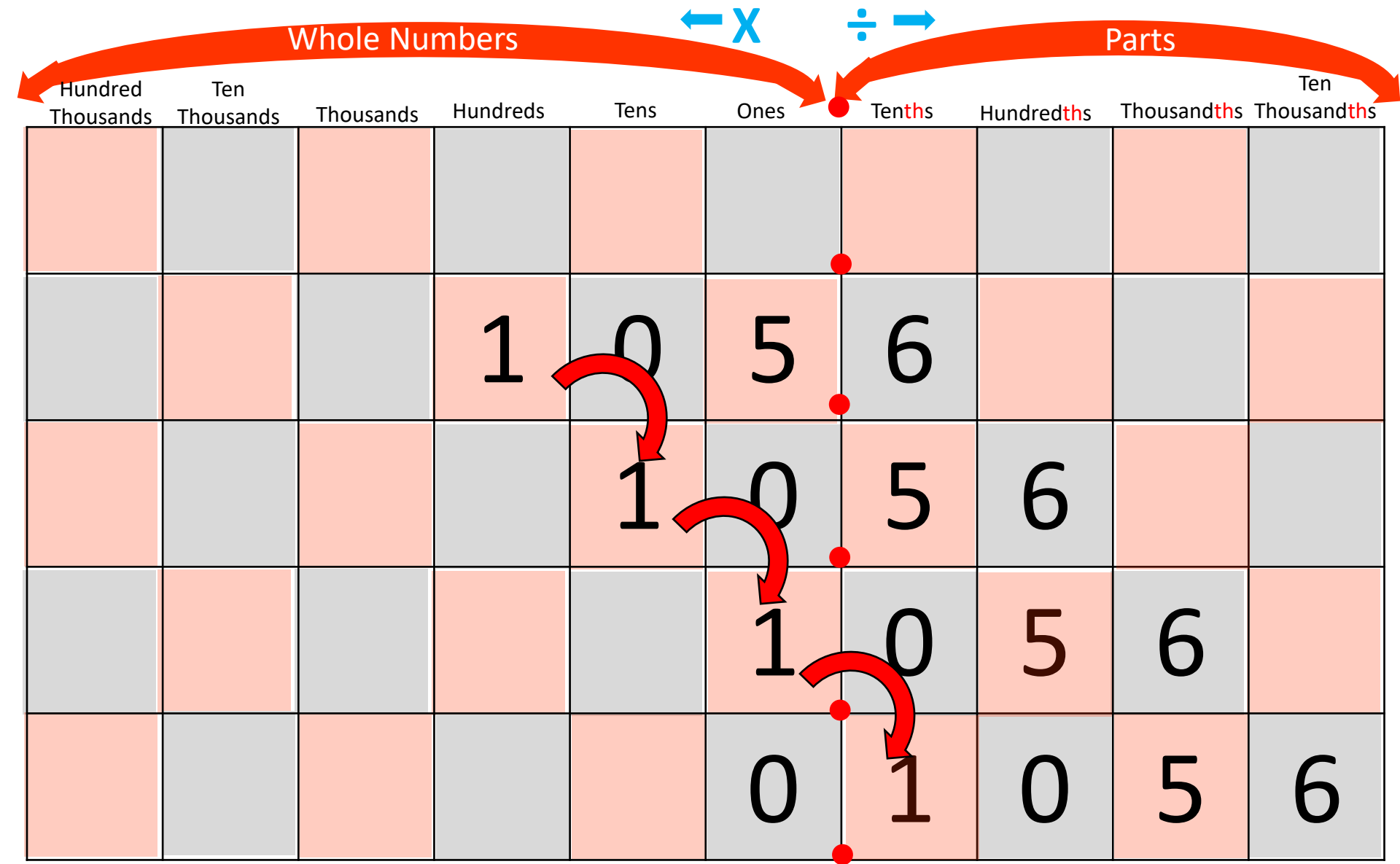
$$X \frac{1}{10} = \div 10$$

$$X\ 0.1 = \div 10$$

$$X \frac{1}{100} = \div 100$$

$$X\ 0.01 = \div 100$$

Dividing by 10³ or 1,000 means making 3 jumps across the checkerboard.

Multiplying by 10⁴ or 10,000 means making 4 jumps across the checkerboard.