7,1 Decimals
Place value:
Example: Let one "flat" represent one unit. Then, what does a long represent? What does one square represent?
Write these numbers in expanded form. (a) 3476.981
(b) 8002.0045

We can also use a "hundreds square" to help us convert between decimals and fractions.

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Ex 1. Write these fractions as decimals.

(a) 
$$5\frac{3}{8}$$

(b) 
$$\frac{3}{2^2 \cdot 5^4}$$

(c) 
$$\frac{21}{2^3 \cdot 5 \cdot 3}$$

Ex 2. Write these decimals as fractions.

(a) 69.07

(b) -135.000084

Ordering Decimals

Methods:

(1) hundreds square

(2) Number line

(3) Convert to fractions

(4) place value

