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| Year 4 | Block 8 | Unit: Decimals A |
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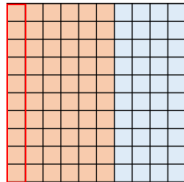
Key Vocabulary:

| | | | | | |
|--------|------------|------------|---------------|-------------|----------|
| tenths | hundredths | equivalent | decimal point | place value | divide |
| whole | partition | compare | order | round | halves |
| | | | | | quarters |

What will I know by the end of this unit?

Make a whole with tenths:

The square represents 1 whole.
Each column represents 1 tenth.



How much of the whole is shaded?

| Fraction | Decimal |
|----------------|---------|
| $\frac{6}{10}$ | 0.6 |

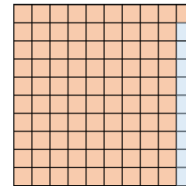
How much needs to be shaded to fill the whole?

| Fraction | Decimal |
|----------------|---------|
| $\frac{4}{10}$ | 0.4 |

Make a whole with hundredths:

The square represents 1 whole.
Each column represents 1 tenth.
Each small square represents 1 hundredths.

1 tenth
or
10 hundredths



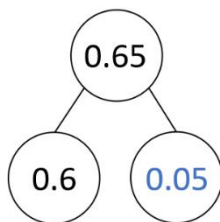
How much of the whole is shaded?

| Fraction | Decimal |
|------------------|---------|
| $\frac{91}{100}$ | 0.91 |

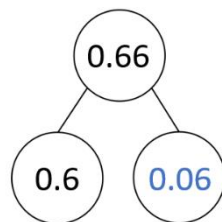
How much needs to be shaded to fill the whole?

| Fraction | Decimal |
|-----------------|---------|
| $\frac{9}{100}$ | 0.09 |

Partition decimals:



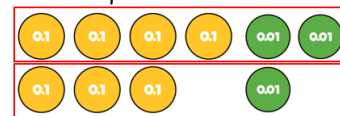
$$0.6 + 0.05 = 0.65$$



$$0.6 + 0.06 = 0.66$$

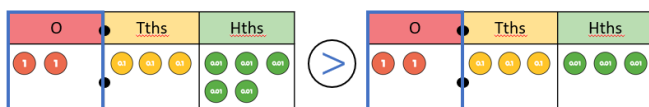
Flexibly partition decimals:

How can 0.73 be partitioned?



$$0.42 + 0.31 = 0.73$$

Compare decimals:



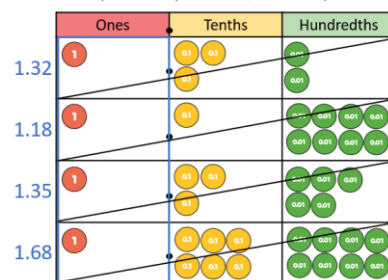
The values in the ones column are the same, so I need to look at the values in the tenths column.

The values in the tenths column are the same, so I need to look at the values in the hundredths column.

Order decimals:

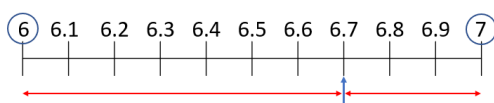
Order the decimals in descending order.

1.32 1.18 1.35 1.68



Round to the nearest whole:

Draw an arrow to 6.7 on the number line.



Which integers does 6.7 lie between?

6 6.7 7

6.7 is closer to 7 than 6

6.7 rounded to the nearest integer is 7

Halves and quarters as decimals:

Write these fractions as decimals.

$$\frac{6}{12} = 0.5 \quad \frac{7}{28} = 0.25$$

$$\frac{25}{50} = 0.5 \quad \frac{5}{20} = 0.25$$