

MATHEMATICS



Topic: Decimal Fractions.

- ❖ Decimal fractions are fractions where the denominator is a power of (10,100 or 1000 ect). They can also be written with a decimal comma: $\frac{26}{100} = 0,26$

Ordering, comparing and rounding off decimal fractions.

- ❖ When we write decimals, the position or place of each digit is important.
1. The first digit after the decimal comma is called the tenths place value.
 2. The second digit after the decimal comma is called the hundredths place value.
 3. The third digit after the decimal comma is called the thousandths place value.

0,123

0, 1^{tenth} 2^{hundredths} 3^{thousandths}

Worked Examples

1. Arrange from smallest to largest:

0,0283; 0,2083; 0,0812; 0,208; 0,0082

Solution

0,0082; 0,2083; 0,0812; 0,208; 0,2083

2. Complete by filling in <or>:

18,0291 18,0912

Solution

18,0291 < 18,0912

3. Round to two decimal places: 0,0373

Solution

0,0373 = 0,04

4. Round to three decimal places: 8,65864

Solution

8,65864 = 8,659

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7.

8.

9.

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11.

12.

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14.