

# Varied Fluency

## Step 1: Decimals up to 2d.p.

### National Curriculum Objectives:

Mathematics Year 5: (5F8) [Read, write, order and compare numbers with up to three decimal places](#)

Mathematics Year 5: (5F10) [Solve problems involving number up to three decimal places](#)

### Differentiation:

**Developing** Questions to support reading, writing and understanding the value of digits up to 2 decimal places. Includes conventional partitioning and images for support.

**Expected** Questions to support reading, writing and understanding the value of digits up to 2 decimal places. Includes the use of zero as a place holder, some unconventional partitioning and images for support.

**Greater Depth** Questions to support reading, writing and understanding the value of digits up to 2 decimal places. Includes the use of zero as a place holder, unconventional partitioning and no images for support.

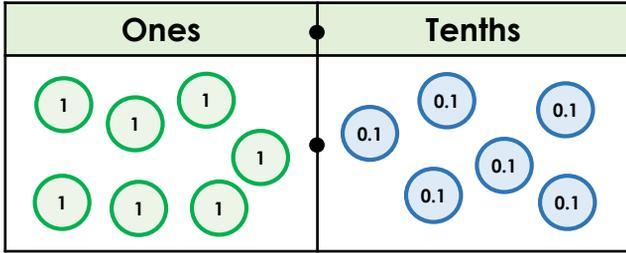
More [Year 5 Decimals and Percentages](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Decimals up to 2d.p.

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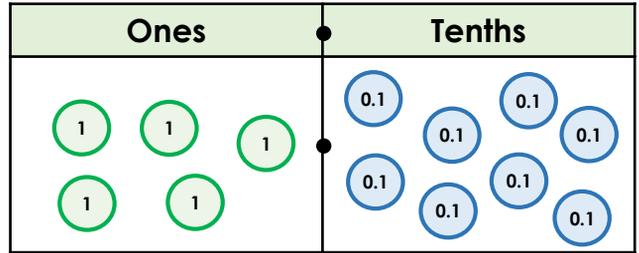
1a. Circle the decimal number that is represented on the place value chart.



- ★ A. 7.06      B. 6.7      C. 7.6

VF

1b. Circle the decimal number that is represented on the place value chart.



- ★ A. 8.5      B. 5.8      C. 5.08

VF

2a. Match each decimal number to the correct visual representation.

A. 4.2      1.

B. 1.24      2.

C. 2.43      3.



VF

2b. Match each decimal number to the correct visual representation.

A. 2.43      1.

B. 3.42      2.

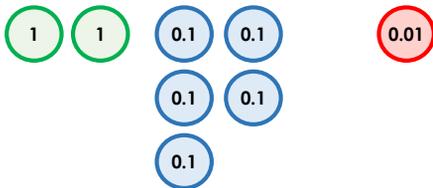
C. 5.3      3.



VF

3a. True or false?

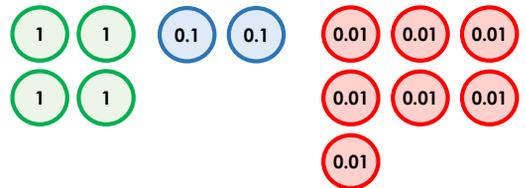
2.15 = 2 ones + 5 tenths + 1 hundredth



VF

3b. True or false?

4.27 = 4 ones + 2 tenths + 7 hundredths



VF

4a. In which number does the 4 have the lowest value?

- 2.64      6.42      4.26



VF

4b. In which number does the 3 have the highest value?

- 1.53      5.31      3.15

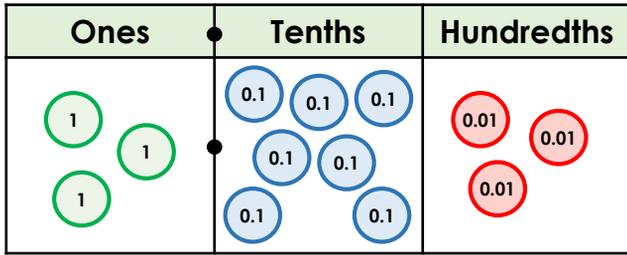


VF

# Decimals up to 2d.p.

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5a. Circle the decimal number that is represented on the place value chart.



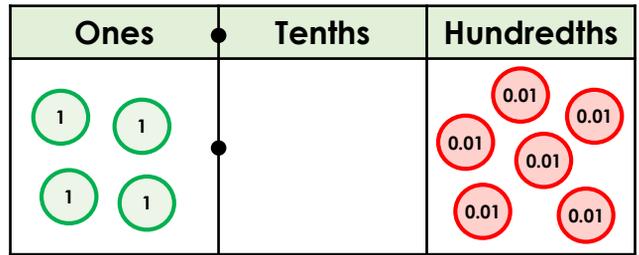
A. 3.37

B. 3.73

C. 0.73

VF

5b. Circle the decimal number that is represented on the place value chart.



A. 4.06

B. 4.6

C. 6.04

VF

6a. Match each decimal number to the correct visual representation.

A. 1.32      1.

B. 0.12      2.

C. 1.04      3.



VF

6b. Match each decimal number to the correct visual representation.

A. 0.82      1.

B. 3.41      2.

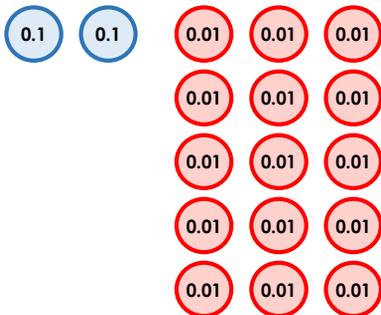
C. 1.02      3.



VF

7a. True or false?

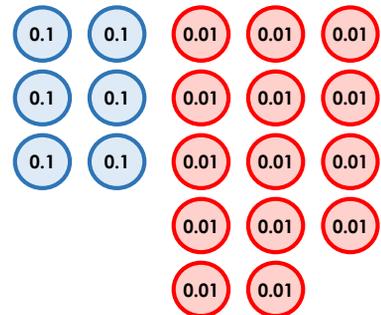
$0.35 = 2 \text{ tenths} + 15 \text{ hundredths}$



VF

7b. True or false?

$0.64 = 6 \text{ tenths} + 14 \text{ hundredths}$



VF

8a. In which number does the 6 have the lowest value?

4.68

7.06

6.08



VF

8b. In which number does the 9 have the highest value?

5.92

3.09

9.64



VF

## Decimals up to 2d.p.

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9a. Circle the decimal number that is represented below.

eight tens + two ones + fourteen tenths + six hundredths

- A. 82.46    B. 83.46    C. 82.146



VF

9b. Circle the decimal number that is represented below.

three tens + eleven ones + twenty-five hundredths

- A. 41.025    B. 311.25    C. 41.25



VF

10a. Match each decimal number to the correct partitioned form.

A. 

8.63
------

    1. 

6 ones + 38 hundredths
------------------------

B. 

8.36
------

    2. 

6 ones + 26 tenths + 3 hundredths
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C. 

6.38
------

    3. 

6 ones + 236 hundredths
-------------------------



VF

10b. Match each decimal number to the correct partitioned form.

A. 

7.69
------

    1. 

6 ones + 79 hundredths
------------------------

B. 

6.79
------

    2. 

6 ones + 19 tenths + 6 hundredths
-----------------------------------

C. 

7.96
------

    3. 

6 ones + 169 hundredths
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VF

11a. True or false?

A.  $2.74 = 2 \text{ ones} + 5 \text{ tenths} + 24 \text{ hundredths}$

B.  $4.19 = 3 \text{ ones}, 11 \text{ tenths} + 9 \text{ hundredths}$



VF

11b. True or false?

A.  $3.89 = 2 \text{ ones} + 28 \text{ tenths} + 9 \text{ hundredths}$

B.  $23.07 = 2 \text{ tens} + 2 \text{ ones} + 107 \text{ hundredths}$



VF

12a. In which number does the 9 have the lowest value?

2 <u>9</u> .02
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<u>9</u> 2.02
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22.0 <u>9</u>
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VF

12b. In which number does the 5 have the highest value?

74. <u>5</u>
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4 <u>5</u> .07
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74.0 <u>5</u>
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VF

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Developing

- 1a. **C**  
2a. **A2, B3, C1**  
3a. **False. 2.15 = 2 ones, 1 tenth and 5 hundredths**  
4a. **2.64**

Expected

- 5a. **B**  
6a. **A3, B1, C2**  
7a. **True**  
8a. **7.06**

Greater Depth

- 9a. **B**  
10a. **A2, B3, C1**  
11a. **A = true, B = true**  
12a. **22.09**

Varied Fluency  
Decimals up to 2d.p.

Developing

- 1b. **B**  
2b. **A3, B2, C1**  
3b. **True**  
4b. **3.15**

Expected

- 5b. **A**  
6b. **A1, B3, C2**  
7b. **False. 0.64 = 6 tenths and 4 hundredths**  
8b. **9.64**

Greater Depth

- 9b. **C**  
10b. **A3, B1, C2**  
11b. **A = false (3.89 = 2 ones + 18 tenths + 9 hundredths), B = true**  
12b. **45.07**