Varied Fluency
Step 6: Rounding Decimals

National Curriculum Objectives:

Mathematics Year 5: (5F7) [Round decimals with two decimal places to the nearest whole number and to one decimal place](#)

Differentiation:

Developing Questions to support rounding numbers with 1 decimal place to the nearest whole number. Number lines and place value charts given for support.

Expected Questions to support rounding numbers with 2 decimal places to the nearest whole number or tenth, including the use of 0 as a place holder. Number lines and place value charts given for support.

Greater Depth Questions to support rounding numbers with 3 decimal places to the nearest whole number or tenth, including the use of 0 as a place holder and blank number lines given for support.

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

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

Rounding Decimals

1a. Round the number on the place value chart to the nearest whole number. Circle the correct answer below.
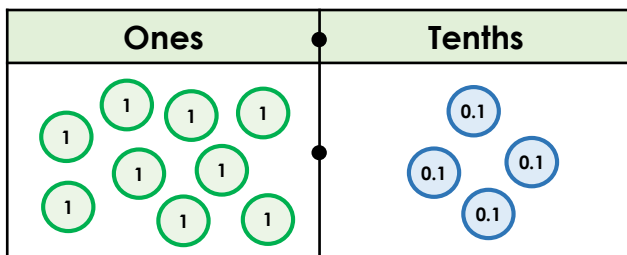
Ones	Tenths
1 1 1 1 1 1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
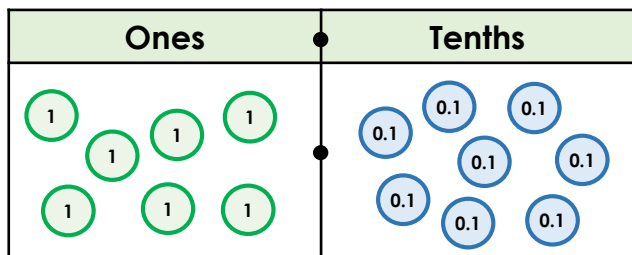
A) 7   B) 6   C) 8

VF

Rounding Decimals

Ones	Tenths
1 1 1 1 1 1 1 1 1	0.1 0.1 0.1 0.1

A) 9   B) 8   C) 10

VF

2a. True or false?

6.7, when rounded to the nearest whole number, is 6.

```
|   |   |   |   |   |   |   |   |   |   |
6               6.5                    7
```

VF

2b. True or false?

4.4, when rounded to the nearest whole number, is 4.

```
|   |   |   |   |   |   |   |   |   |   |
4               4.5                    5
```

VF

3a. Round 3.5 to the nearest whole number.

```
|   |   |   |   |   |   |   |   |   |   |
3                                      4
```
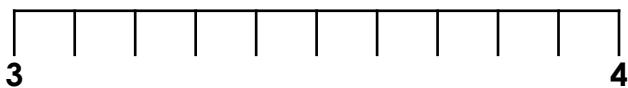
Round 8.2 to the nearest whole number.

```
|   |   |   |   |   |   |   |   |   |   |
8                                      9
```
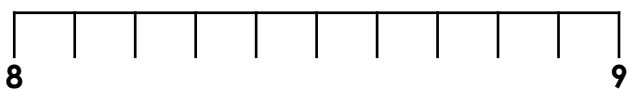
VF

3b. Round 1.4 to the nearest whole number.

```
|   |   |   |   |   |   |   |   |   |   |
1                                      2
```
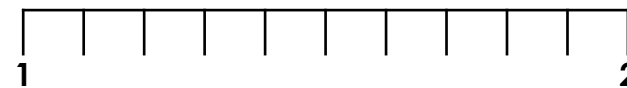
Round 9.9 to the nearest whole number.

```
|   |   |   |   |   |   |   |   |   |   |
9                                     10
```
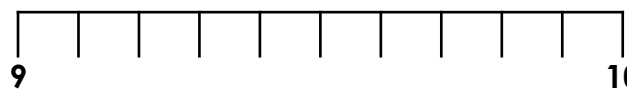
VF

4a. Round these decimals to the nearest whole number and match them to the correct answer.

3.7	3
3.3	5
4.5	4

VF

4b. Round these decimals to the nearest whole number and match them to the correct answer.

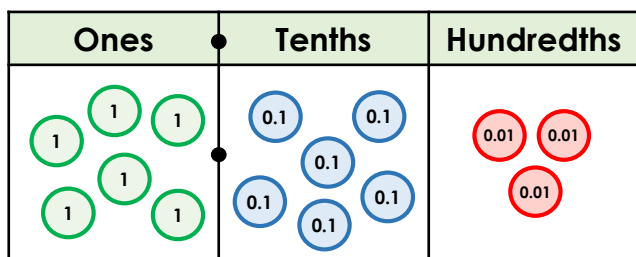| 6.9 | 8 |
| 5.6 | 7 |
| 7.8 | 6 |

VF

Rounding Decimals

5a. Round the number on the place value chart to the nearest whole number. Circle the correct answer below.

Ones	Tenths	Hundredths
1 1 1 1 1 1	0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01

A) 6   B) 7   C) 6.6
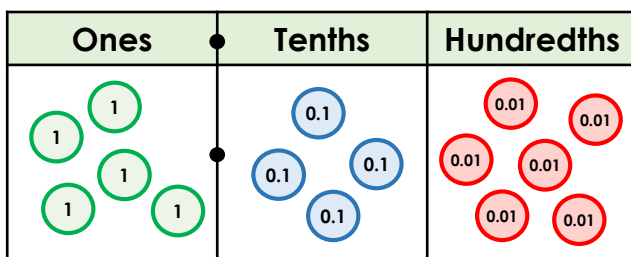
E   VF

Rounding Decimals

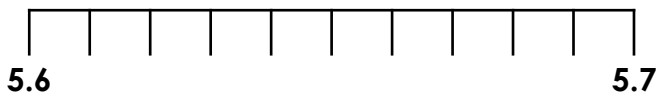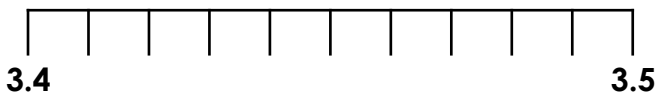**5b.** Round the number on the place value chart to the nearest whole number. Circle the correct answer below.

Ones	Tenths	Hundredths
1 1 1 1 1	0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01

A) 5   B) 6   C) 5.5

E   VF

6a. True or false?

5.62, when rounded to the nearest tenth, is 5.6.

5.6 |————————————————| 5.7

E   VF

6b. True or false?

3.46, when rounded to the nearest tenth, is 3.4.

3.4 |————————————————| 3.5

E   VF

7a. Round 7.84 to the nearest tenth.

7.8 |————————————————| 7.9
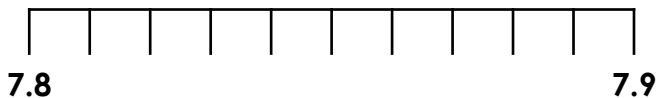
Round 7.84 to the nearest whole number.

7 |————————————————| 8

E   VF

7b. Round 6.53 to the nearest tenth.

6.5 |————————————————| 6.6
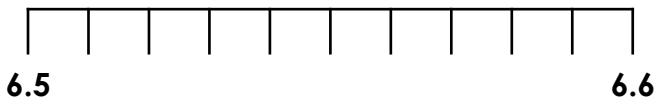
Round 6.53 to the nearest whole number.

6 |————————————————| 7
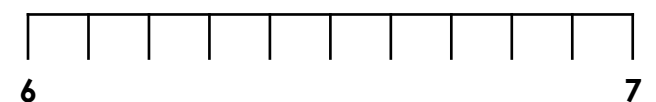
E   VF

8a. Round these decimals to the nearest tenth and match them to the correct answer.

8.07	8.7
8.67	8.8
8.76	8.1

E   VF

8b. Round these decimals to the nearest tenth and match them to the correct answer.

4.47	4.1
4.38	4.5
4.09	4.4

E   VF

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Varied Fluency – Rounding Decimals – Year 5 Expected

Rounding Decimals

Rounding Decimals

9a. Round this decimal number to the nearest whole number. Circle the correct answer below.

4.562

A) 4.6   B) 5   C) 4

VF

9b. Round this decimal number to the nearest whole number. Circle the correct answer below.

6.309

A) 6.3   B) 7   C) 6

VF

10a. True or false?

3.743, when rounded to the nearest tenth, is 3.7.

VF

10b. True or false?
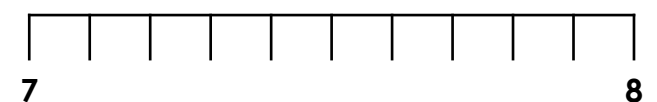
2.459, when rounded to the nearest tenth, is 2.6.

VF

11a. Round 4.673 to the nearest tenth.

Round 4.673 to the nearest whole number.

VF

11b. Round 7.852 to the nearest tenth.

Round 7.852 to the nearest whole number.

VF

12a. Round these decimals to the nearest tenth and match them to the correct answer.

2.934   2.1

2.959   2.9

2.099   3

VF

12b. Round these decimals to the nearest tenth and match them to the correct answer.

5.076   5.4

5.394   6

5.972   5.1

VF

Developing
1a. C
2a. False – it is 7
3a. 4 and 8
4a. 3.7 – 4; 3.3 – 3; 4.5 – 5

Expected
5a. B
6a. True
7a. 7.8 and 8
8a. 8.07 – 8.1; 8.67 – 8.7; 8.76 – 8.8

Greater Depth
9a. B
10a. True
11a. 4.7 and 5
12a. 2.934 – 2.9; 2.959 – 3; 2.099 – 2.1

Developing
1b. A
2b. True
3b. 1 and 10
4b. 6.9 – 7; 5.6 – 6; 7.8 – 8

Expected
5b. A
6b. False – it is 3.5
7b. 6.5 and 7
8b. 4.47 – 4.5; 4.38 – 4.4; 4.09 – 4.1

Greater Depth
9b. C
10b. False – it is 2.5
11b. 7.9 and 8
12b. 5.076 – 5.1; 5.394 – 5.4; 5.972 – 6

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