

Varied Fluency

Step 3: Tenths on a Place Value Grid

National Curriculum Objectives:

Mathematics Year 4: (4F6b) [Recognise and write decimal equivalents of any number of tenths or hundredths](#)

Differentiation:

Developing Questions to support representing tenths on a place value grid, where numbers are sometimes greater than one. Pictorial representations to support.

Expected Questions to support representing tenths on a place value grid, where some numbers greater than one.

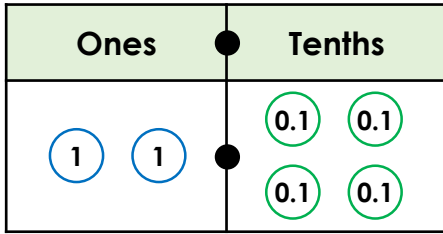
Greater Depth Questions to support representing tenths on a place value grid, all numbers greater than 1 whole and including numbers greater than 10 tenths, i.e. 3 ones and 11 tenths = 4.1. Some visual representations to support using a mixture of images and numbers.

More [Year 4 Decimals](#) resources.

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

Tenths on a Place Value Grid

1a. Circle the decimal number shown on the place value grid below.



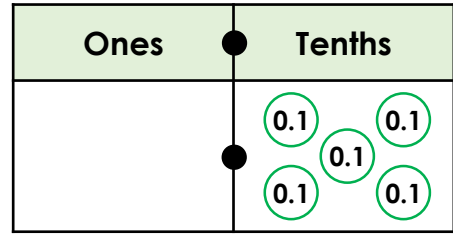
2.4 1.4 0.4



VF

Tenths on a Place Value Grid

1b. Circle the decimal number shown on the place value grid below.

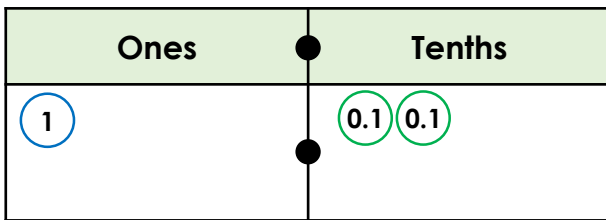


0.8 0.7 0.5



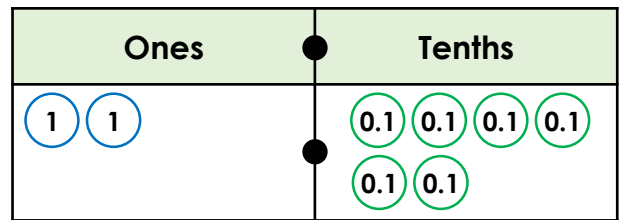
VF

2a. Add counters to the place value grid so that it represents 1.5.



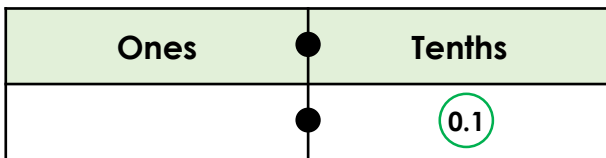
VF

2b. Add counters to the place value grid so that it represents 3.8



VF

3a. Complete the statement below.

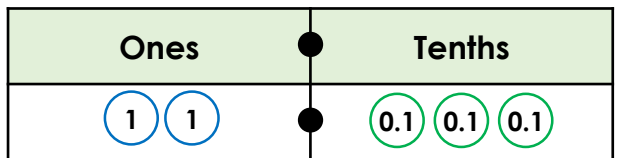


0.1 is equal to ones and tenth.



VF

3b. Complete the statement below.

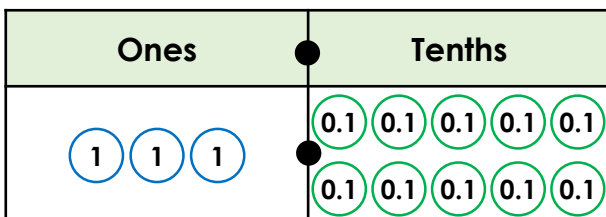


2.3 is equal to ones and tenths.



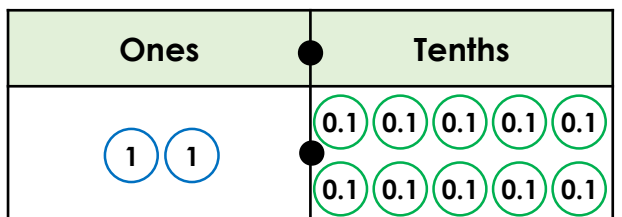
VF

4a. Cross out the counters so that the place value grid shows 2.9.



VF

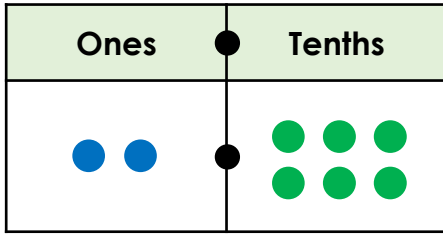
4b. Cross out the counters so that the place value grid shows 1.6.



VF

Tenths on a Place Value Grid

5a. Circle the decimal number shown on the place value grid below.



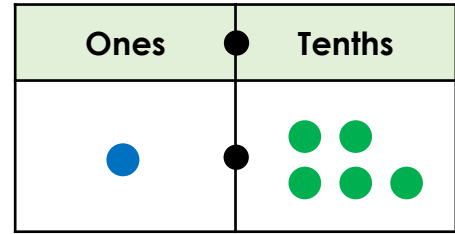
1.6 2.6 2.5



VF

Tenths on a Place Value Grid

5b. Circle the decimal number shown on the place value grid below.



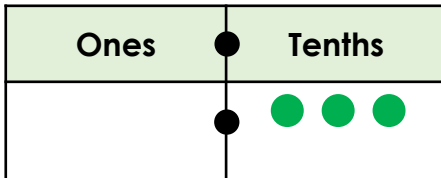
1.5 1.7 2.5



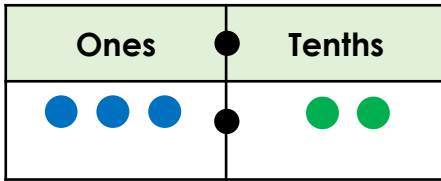
VF

6a. Add counters to make the place value grids correct.

A. 1.5



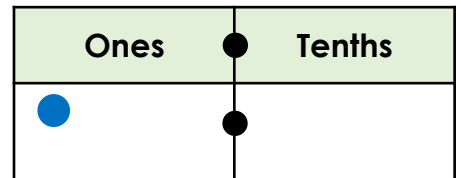
B. 5.3



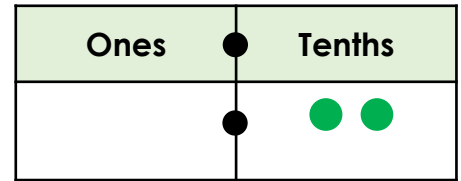
VF

6b. Add counters to make the place value grids correct.

A. 3.2

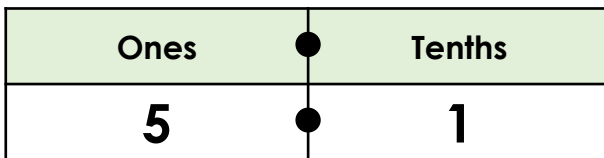


B. 0.6



VF

7a. Complete the statement below.

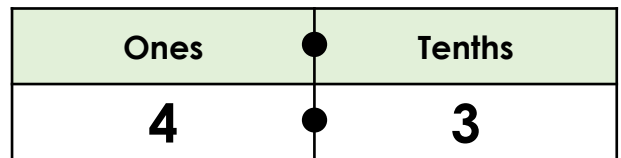


5.1 is equal to ones and tenths.



VF

7b. Complete the sentences below.

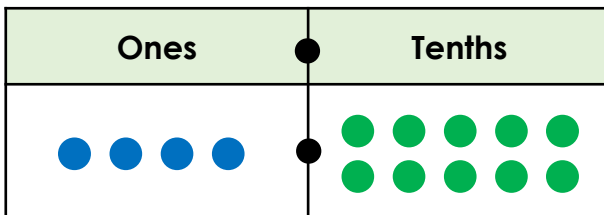


4.3 is equal to ones and tenths.



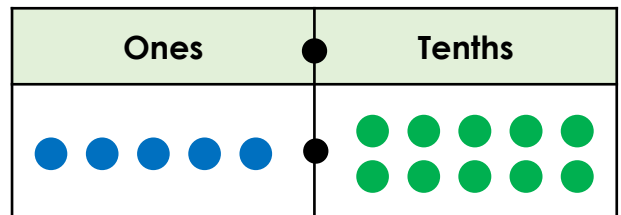
VF

8a. Cross out the counters so that the place value grid shows 3.7.



VF

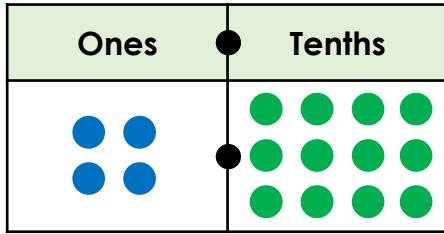
8b. Cross out the counters so that the place value grid shows 4.4.



VF

Tenths on a Place Value Grid

9a. Circle the decimal number shown on the place value grid below.



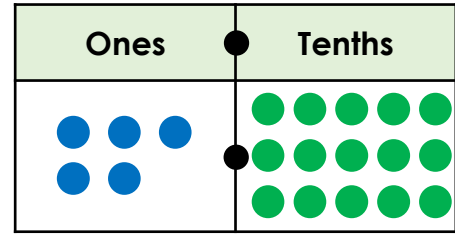
5.7 5.2 4.2



VF

Tenths on a Place Value Grid

9b. Circle the decimal number shown on the place value grid below.



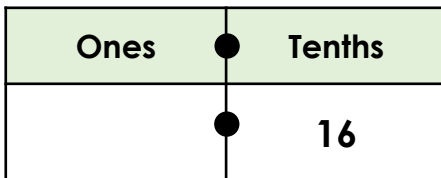
6.5 5.5 5.6



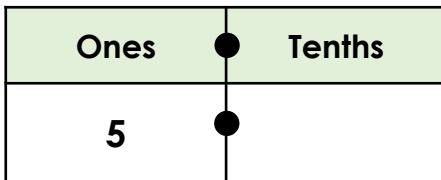
VF

10a. Add counters to make the place value grids correct.

A. 7.6



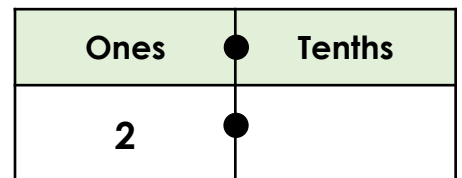
B. 6.2



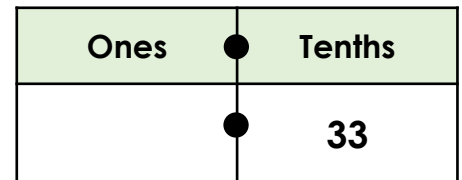
VF

10b. Add counters to make the place value grids correct.

A. 3.8



B. 8.3



VF

11a. Complete the statements below.

7.9 is equal to ones and tenths.

is equal to 5 ones and 14 tenths.



VF

11b. Complete the statements below.

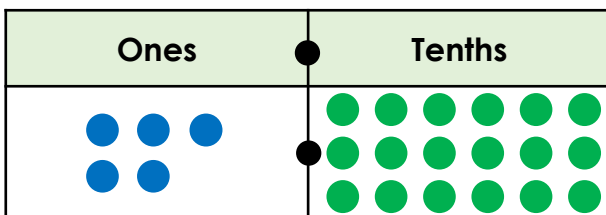
8.1 is equal to ones and tenth.

is equal to 7 ones and 22 tenths.



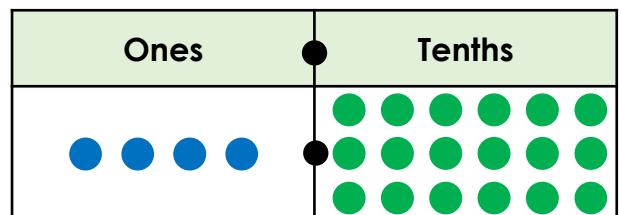
VF

12a. Cross out the counters so that the place value grid shows 6.1.



VF

12b. Cross out the counters so that the place value grid shows 5.7.



VF

Varied Fluency
Tenths on a Place Value Grid

Developing

- 1a. **2.4**
- 2a. **3 extra tenths**
- 3a. **0.1 is equal to 0 ones and 1 tenth.**
- 4a. **1 one and 1 tenth crossed out.**

Expected

- 5a. **2.6**
- 6a. **A. 1 extra one and 2 extra tenths;
B. 2 extra ones and 1 extra tenth**
- 7a. **5.1 is equal to 1 tenth and 5 ones.**
- 8a. **1 one and 3 tenths crossed out.**

Greater Depth

- 9a. **5.2**
- 10a. **A. 6 ones; B. 12 tenths**
- 11a. **7.9 is equal to 7 ones and 9 tenths;
6.4 is equal to 5 ones and 14 tenths.**
- 12a. **7 tenths crossed out.**

Varied Fluency
Tenths on a Place Value Grid

Developing

- 1b. **0.5**
- 2b. **1 extra one, 2 extra tenths**
- 3b. **2.3 is equal to 2 ones and 3 tenths.**
- 4b. **1 one and 4 tenth crossed out.**

Expected

- 5b. **1.5**
- 6b. **A. 2 extra ones and 2 extra tenths;
B. 4 extra tenths**
- 7b. **4.3 is equal to 3 tenths and 4 ones.**
- 8b. **1 ones and 6 tenths crossed out.**

Greater Depth

- 9b. **6.5**
- 10b. **A. 18 tenths; B. 5 ones**
- 11b. **8.1 is equal to 8 ones and 1 tenth; 9.2
is equal to 7 ones and 22 tenths.**
- 12b. **1 tenth crossed out.**