

Lesson 5 **NUMBER**

Rounding decimals to nearest whole, tenth and hundredth

CURRICULUM ALIGNMENT

NUM.PVT.4

investigate how decimals and percentages (and fractions) can be compared, ordered and expressed in related terms.

INTERACTIVES **Number Line · challenge, display**

WHAT THIS LESSON TEACHES

To round a decimal look at the two nearest tidy numbers and pick the one it sits closer to on the line.

→ 7 is closer to 5 than to 4 so rounds to 5.

→ 34 to the nearest tenth sits between 0.3 and 0.4.

MODEL THIS ON THE BOARD

ROUNDING 1.275 TO NEAREST HUNDREDTH

- 1 Look at the thousandths digit which is 5.
- 2 The hundredths digit is 7 so the two candidates are 1.27 and 1.28.
- 3 Because the digit is 5 we round up to 1.28.

ANSWER KEY

Scaffold: visual check on the page**Q1:** €5**Q2:** 0.7 kg**Q3:** 10.0 kg**a)** Always — It is closer to 3 than to 4.**b)** Always — The deciding digit 8 means round up.**c)** Never — It rounds up to 1.28.**d)** Sometimes — It depends on the place value and the rule used.

EXTENSION SHEET · STRETCH ANSWERS

S1: 19.52**S2:** 76.27**S3:** 19.19**S4:** 24**S5:** 24.4