

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.

 WARM-UP

Mark each number on the line. Circle the tenth it rounds to.



1. Mark 3.32.
2. Mark 3.47.
3. Mark 3.35. It sits exactly halfway between 3.3 and 3.4.

 PRACTICE

- 1 A melon weighs **2.6 kg**. Round its mass to the nearest whole kilogram.
- 2 A bag of apples weighs **1.4 kg**. Round its mass to the nearest whole kilogram.
- 3 A carton holds **0.83 litres** of juice. Round the amount to the nearest tenth of a litre.
- 4 A bag of flour weighs **2.45 kg**. Round its mass to the nearest tenth of a kilogram.
- 5 A pot of honey weighs **0.346 kg**. Round its mass to the nearest hundredth of a kilogram.
- 6 A box of grapes weighs **1.997 kg**. Round its mass to the nearest hundredth of a kilogram.

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A decimal with 5 in its tenths place rounds up when you round it to the nearest whole number.
- b. Rounding a decimal to the nearest tenth makes it bigger.
- c. 2.35 ends in 5, so it rounds up to 3 as a whole number.
- d. Rounding to the nearest hundredth changes the tenths digit.