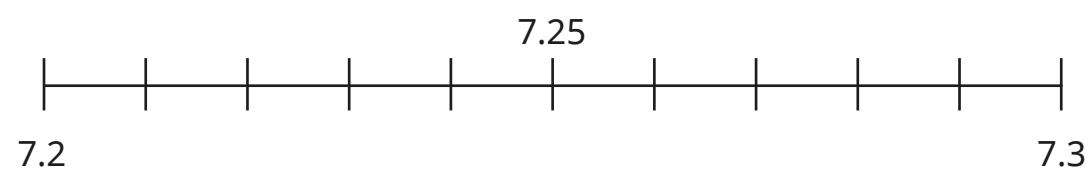# Round to 1 decimal place
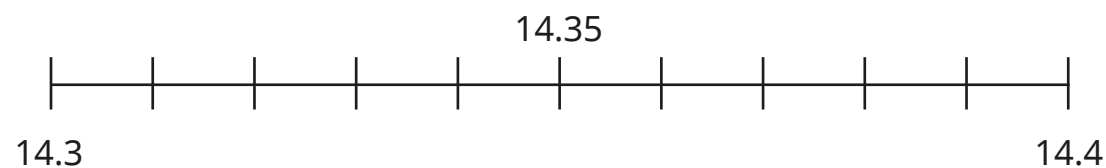
1 Show the positions of the numbers on the number lines.

Use the number lines to round the decimals to the nearest tenth.

a) 7.23

7.25

7.2   7.3

The nearest tenth is | 7.20 |

b) 14.38

14.35

14.3   14.4

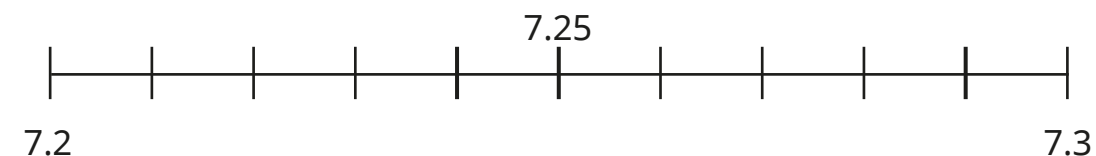The nearest tenth is | 14.40 |

c) 6.51

The nearest tenth is | 6.50 |

Explain to a partner how to round decimal numbers to the nearest tenth.

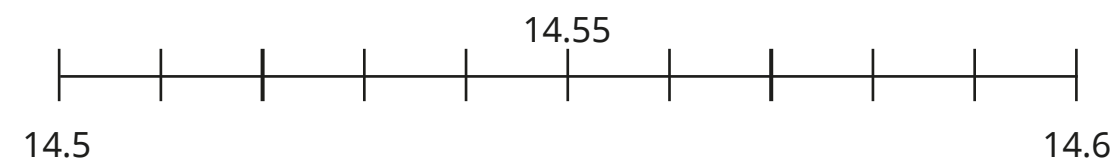**2** Use the number lines to round the decimals to the nearest tenth and the nearest whole number.

a) 7.27

7.25

7.2   7.3

The nearest tenth is | 7.30 |

The nearest whole number is | 7.00 |

b) 14.56

14.55

14.5   14.6

The nearest tenth is | 14.60 |

The nearest whole number is | 15.00 |

c) 6.45
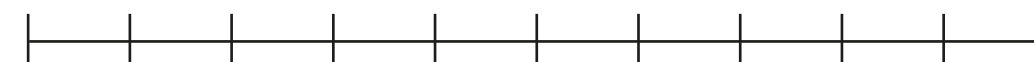
The nearest tenth is | 6.50 |

The nearest whole number is | 6.00 |

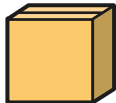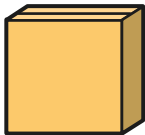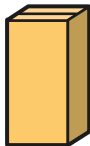**3 a)** When a number is rounded to the nearest tenth, how many digits are there after the decimal point?

2

b) Round each number to 1 decimal place.

1.33 | 0.133
1.34 | 0.134
1.35 | 0.135
1.36 | 0.136
1.37 | ~~0.137~~

4.03 | 0.403
4.04 | 0.404
4.05 | 0.405
4.06 | 0.406
4.07 | 0.407

4 Round each number to the nearest tenth.

a) 4.21 | 4.20
b) 8.09 | 8.10
c) 4.84 | 4.80

d) 11.86 | 11.90
e) 5.67 | 5.70
f) 0.15 | 0.20

g) 12.92 | 12.90
h) 10.65 | 10.70
i) 34.04 | 34.00

5 Here are the masses of some parcels.

3.48 kg   1.42 kg   10.65 kg   1.03 kg

a) Round the mass of each parcel to 1 decimal place.

0.348 kg   0.142 kg   1.065 kg   0.103 kg

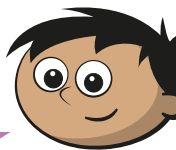**b)** The mass of each parcel has been rounded to the nearest 100 g.

Is the statement true or false?

false

Talk about it with a partner.

6 Amir is thinking of a number.

Rounded to the nearest whole my number is 5
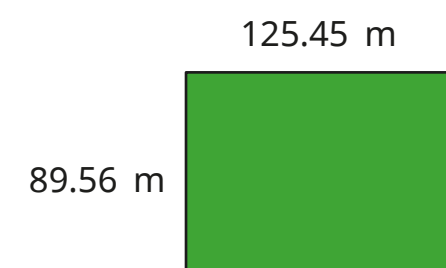Rounded to the nearest tenth my number is 4.8

Write at least four different numbers that Amir could be thinking of.

4.4   4.3   4.2   4.7

7 A farmer is building a new fence for her sheep field.

Here are the measurements.

125.45 m

89.56 m

She wants to build a fence around the whole field.

Estimate how much fencing you think the farmer will need.

89.56 + 89.56= 179.12
125.45+125.45= 250.90

250.90+179.12= 430.02

Talk about your estimate with a partner.