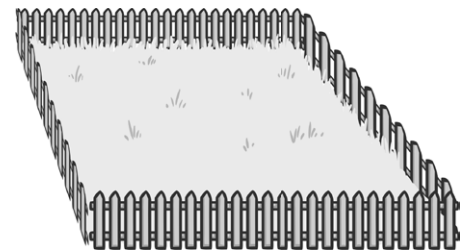


Using Rounding in Real Life Situations

Sometimes in life situations, getting a quick answer is more important than achieving complete accuracy. Additionally, in some cases the nature of a problem will require some rounding to achieve a correct answer.

Use your rounding skills for the questions below; (please note: however, that as the answers are based on rounding and estimates, they may differ to yours slightly!)

1. A shop sells material in 1 metre lengths. A dress maker needs 3 lengths of material which are the following lengths – 88cm, 189 cm and 80 cm. How many metres of material should she buy?
2. Imagine you have to make a quick estimate of the length of a fence that will be required to surround a field. The owner wants an idea of a price straight away. How close can you get in 10 seconds? Rounding will help.
Side 1 = 1756cm Side 2 = 1678 cm Side 3 = 1419cm Side 4 = 1949cm



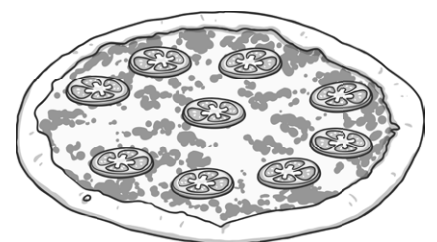
3. Votes are being counted in the election and the Red Party candidate wants to have an idea of whether he has won or lost. Can you round the numbers and add them quickly to give him the likely news?

	Area 1	Area 2	Area 3	Area 4	Area
Red Party	12 345	9876	15 499	6701	11 282
Blue Party	8781	14 456	16 221	5207	8871

Winning Party =

By approximately votes.

4. Karim decides to organise a pizza party for his friends. He decides that everyone will eat a whole pizza and he wants to invite 63 friends. If the pizzas cost £2.50 per person but the bank only allows withdrawals in multiples of £10, how much should he withdraw from the bank?



5. David wants a quick estimate of the amount he has earned in the last year to start calculating his tax. Working as quickly as you can, can you give him a rough estimate of David's earnings on David's behalf?

Job	Post Office	Office	Cleaning
Income	£12 756	£9452	£2754

Answer =

6. Beneath is a list of Gregor's monthly outgoings together with the wage he would be paid for a new job. Can he afford to take the new job? Work it out as quickly as you can because they are waiting for his answer.

Rent	£529	Gas and Electric	£107	New Wage
Petrol	£77	Telephone and Broadband	£38	£1458
Food	£371	Clothes	£67	
Council Tax	£115	Leisure expenses	£82	

Rounded cost of living per month =

Can Gregor afford to take the new job?

Using Rounding in Real Life Situations: Answers

question	answer
1	357cm to the nearest 4 metres.
2	$1800 + 1700 + 1400 + 1900 = \mathbf{6800cm}$
3	Winning party = Red by approximately 2000 votes.
4	$63 \times \text{£}2.50 = \mathbf{\text{£}157.50}$ therefore, he needs to withdraw £160 from his bank account.
5	£25 000 when amounts are rounded to nearest thousand.
6	£1400, Yes , Gregor can afford to take the new job.