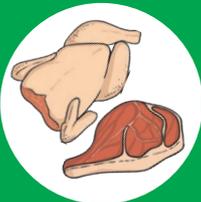




1) Complete the table below.

Calculation	Rounded Calculation	Estimated Answer	Actual Answer
$5671 + 5671$			
$2483 + 4382$			
$6189 - 3407$			
$6719 - 1588$			

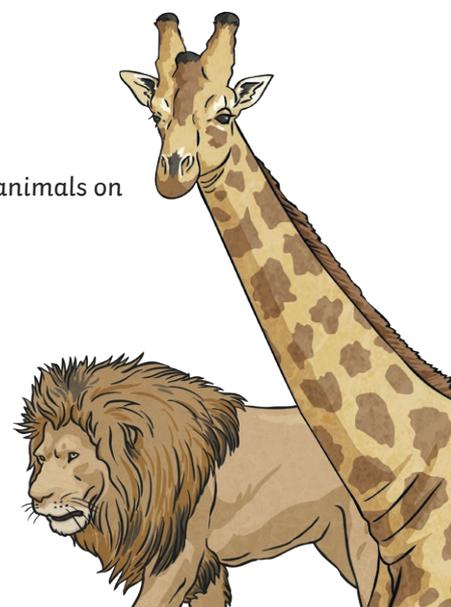
2) a) Look at the table below. It shows the type and quantity of food that is used each day to feed the animals at Twinkl Zoo. Use rounding to work out the approximate quantity of each food fed to the animals over 5 days.

Day of the Week	 Fish	 Meat	 Fruit and Vegetables
Monday	12 056g	25 789g	10 001g
Tuesday	22 307g	17 663g	15 774g
Wednesday	9946g	8093g	12 025g
Thursday	28 570g	12 551g	27 350g
Friday	7009g	18 904g	10 888g
Approximate Total			

b) What is the approximate quantity of food fed to the animals on Monday?

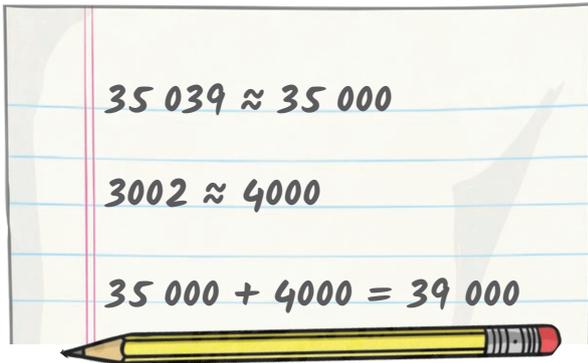
c) What is the approximate difference between the amount of food fed to the animals on Tuesday and the amount of food fed to the animals on Friday?

d) The approximate quantity of fruit and vegetables fed to the animals on Friday and Saturday came to a total of 17 000g. Estimate the quantity of fruit and vegetables that was fed to the animals on Saturday.



- 1) Freddy has rounded this calculation in order to work out the approximate answer. Spot and explain his mistake.

$$35\,039 + 3002$$



- 2) a) Use the column method to work out the answer to the calculation below.

$$71\,382 - 20\,939 =$$



- b) The children were looking at the calculation above and using rounding to work out an approximate answer. Work out the answer to each child's calculation below.



Cassie

$$71\,000 - 21\,000 =$$

$$70\,000 - 20\,000 =$$



Azma



Paulo

$$71\,400 - 21\,900 =$$

$$71\,380 - 20\,940 =$$



Tommy

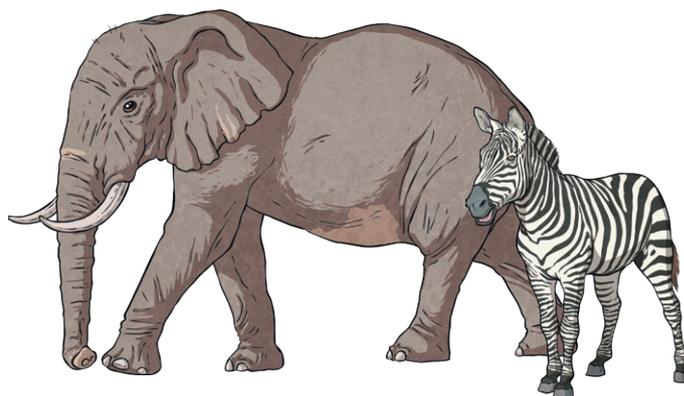
- c) Whose is the closest approximation? Whose calculation is the quickest to solve? Explain why.



- 1) The children from Twinkl Academy will be going on a school trip to the zoo. There are 20 children in each class and 5 classes will be going.

For each question, do the working out in your book and write the answer on this sheet.

Cost of Entrance Ticket	£12.95
Cost of Lunch	£5.32
Cost of Bus	£9.58
Cost of Souvenir	£1.99



- a) What is the approximate cost for one child to go?

- b) What is the approximate cost for a class to go?

- c) What is the approximate cost for the whole school to go?

- d) Mrs Leech, the headteacher, has managed to get the entrance tickets to the zoo for half price. Calculate approximately how much it will now cost to take the whole school to the zoo.

- 2) Anne added two 4-digit numbers together. Neither number ended in a 0. She rounded the numbers to help estimate the answer. Her estimated answer was 7500. What could her two starting numbers have been? Find 5 possibilities.