

Maths

Rounding – Children have been set mathematics tasks on this topic to be completed for Lesson 4.

Lesson 1

Rounding is used to help estimate answers and also give decimal answers with accuracy without having to write a long string of digits. We have looked at a rounding rap before in class. Children should view this again this week - <https://www.youtube.com/watch?v=3afU6JQG15I>.

To help with this children need to be confident with their place value understanding. They should start by writing a number in the millions with three decimal places. Correctly label each place value.

Children should then complete this challenge.

<https://www.youtube.com/watch?v=3afU6JQG15I>

Lesson 2



When rounded to the nearest hundred, 56,745 and 56,773 become the same number.

Correct	<input type="checkbox"/>
Not Correct	<input type="checkbox"/>

Explain your thinking:

Correct	<input type="checkbox"/>
Not Correct	<input type="checkbox"/>

1,999,998 rounded to the nearest 10 is 2,000,010.



Explain your thinking:

Rounding is used when using large numbers to give an estimate of an answer with a degree of accuracy. For example if you are asked $1,123,458 - 500,893$ you could estimate that the answer is around 500,000 by rounding 1,123,458 to the nearest million (1,000,000) and 500,893 to the nearest hundred thousand (500,000)

Estimate answers for these calculations, rounding to the unit you think is most appropriate, then solve them and decide if your rounding was accurate.

$$4528 - 692 =$$

$$1200 + 568 =$$

$$1,678,593 - 9821 =$$

The population of Shanghai is 21 million, to the nearest million. Each person weighs on average 70 kg.

Estimate the total weight of all the people in Shanghai.

Do you think your answer is more or less than the actual answer you'd get if you weighed everyone in Shanghai accurately?

Lesson 3

Rounding allows us to give decimal answers accurately. By rounding to a specific number of decimal places answers are quicker to come to whilst still being accurate. Try these.

A box of sticky labels costs £33.50

There are 150 sheets of labels in the box.

There are 14 labels on each sheet.

What is the cost of one label to the nearest penny?

y stands for a number.

$$y \times y \times y = 5$$

The most accurate value for y to one decimal place is 1.7 because

$$1.7 \times 1.7 \times 1.7 = 4.913$$

k stands for a number.

$$k \times k \times k = 10$$

Find the most accurate value for k correct to one decimal place.

Write the answer to each of these calculations rounded to the **nearest whole number**.

One has been done for you.

	To the nearest whole number
75.7×59	4466
$7734 \div 60$	
772.4×9.7	
$20.34 \times (7.9 - 5.4)$	

Runa and Jon each start with the same number.

Runa rounds the number to the nearest hundred.

Jon rounds the number to the nearest ten.

Runa's answer is double Jon's answer.

Explain how this can be.

Rounded to two decimal places $7923 \div 7 =$

Rounded to one decimal place $5369.35 \times 9 =$

Rounded to the nearest whole number $48593 \div 7 =$

Throughout the week

Children should look at learning their nine times tables. They can do this through Mathletics and Hit the Button and they should look to spend one hour on this across the week.

