Discussion Problems
Step 3: Using Rounding to Estimate Money

National Curriculum Objectives:

Mathematics Year 4: (4M1) Estimate, compare and calculate different measures, including money in pounds and pence

About this resource:

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More Year 4 Money resources.

Did you like this resource? Don't forget to review it on our website.
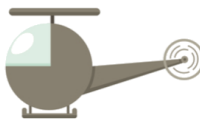
Using Rounding to Estimate Money

1. These items are for sale in a toy shop.

£8.70	£5.51	£8.84	£8.65
£5.59	£4.10	£4.46	£5.54

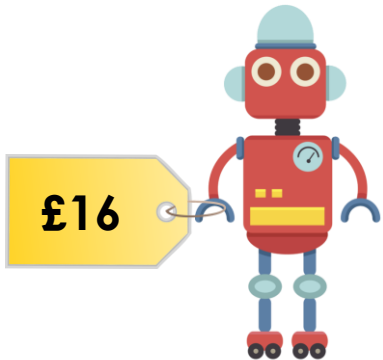Sort the objects into groups by rounding. Explain how you have sorted them.

2. Ishan has received pocket money from different relatives.
Here are the different amounts that he received.

I have rounded the amounts to £14 so that means I can afford to buy the rocket.

Relative	Amount
Auntie Anmol	£2.07
Uncle Mehran	£3.65
Dad	£3.50
Mum	£3.52

£16

£14

Do you agree with Ishan? Explain your answer.

Using Rounding to Estimate Money

1. These items are for sale in a toy shop.

Sort the objects into groups by rounding. Explain how you have sorted them.

Various possible answers, for example;

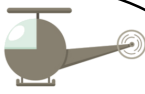**A.**
£4.10
£4.46

B.
£5.51
£5.59
£5.54

C.
£8.84
£8.65
£8.70

A – All items can be rounded down to £4 but are closest to £5 as a note.

B – All items can be rounded up to £6 but are closest to £5 as a note.

C – All items can be rounded up to £9 but are closest to £10 as a note.

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2. Ishan has received pocket money from different relatives.
Here are the different amounts that he received.

I have rounded the amounts to £14 so that means I can afford to buy the rocket.

Relative	Amount
Auntie Anmol	£2.07
Uncle Mehran	£3.65
Dad	£3.50
Mum	£3.52

Do you agree with Ishan? Explain your answer.

No. He cannot afford to buy the rocket as he does not have enough money. He has rounded the amount correctly but the actual amount is £12.57. This shows that rounding money is no guarantee of an accurate estimate.

DP

classroomsecrets.co.uk
Discussion Problems – Using Rounding to Estimate Money ANSWERS