

Reasoning and Problem Solving

Mixed Problems

National Curriculum Objectives:

This pack covers some objectives from the following strands:

Fractions (including decimals and percentages)

Place Value

Statistics

Measurement

Addition and Subtraction

Multiplication and Division

About this resource:

This resource is aimed at Year 5 Expected and has been designed to help children practise their problem solving skills. The questions are designed in such a way that children can work through it independently or in pairs to prompt discussion and understanding.

Reasoning and Problem Solving – Mixed Problems

1. Jardeen is an area manager. He has asked his store managers to offer discounts on pet food in their stores.



Liverpool store

To... jardeen@superstore.co.uk

Subject Discounts

Hi Jardeen,

We're offering discounts of $\frac{1}{10}$ off all of our pet food.

Thanks,
Michelle, Store Manager, Bradford

Woofies
Was: £6
Now: £4.50

Halifax store



Manchester store

I've only paid 70% for my Woofies compared to before the discount!



Customer,
Leeds

Order the stores' discounts on Woofies pet food from lowest to highest.

2. Dennis has created this maths puzzle but has made five mistakes. Find and correct them. The arrows should not change.

→

$- 15,640$

→

Twenty-nine thousand, four hundred and sixty-three

→

$+ 170$

→

27,633

←

$- 41,400$

←

51,003

←

$+ 24,000$

←

Twenty-seven thousand, four hundred and three

←

$- 1,230$

↙

$- 540$

→

Nine thousand, four hundred and sixty-three

→

$+ 50$

→