Name:

Maths Assessment Year 4: Addition and Subtraction

1. Add numbers up to 4 digits, using formal written methods of columnar addition and subtraction.

2. Estimate the answer to a calculation and use inverse operations to check answers.

3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.

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Maths Assessment Year 4: Addition and Subtraction

1. Add numbers up to 4 digits, using formal written methods of columnar addition and subtraction.

a) Add the following, using a column method; set your addition and answer in the box below:

1,354 + 2,622	2,689 + 5,732	2,462 + 1,022 + 234

b) Subtract the following, using a column method; set your subtraction and answer in the box below:

5,962 - 2,621	8,268 - 2,521	8,308 - 2,124

2. Estimate the answer to a calculation and use inverse operations to check answers.

a) Write down the calculation you would do to estimate the answer:

My estimate

3,462 + 1,985 =

4,789 - 2,221 =

Total for this page

b) Is this calculation correct? Show how you would check it using the **inverse**.

$$\begin{array}{r} 347 \\ -\ 212 \\ \hline 125 \\ \hline \end{array}$$

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3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.

Solve these problems and show your working out. Even if you get the wrong answer, you may get a mark for your working out.

A theatre holds 2,200 people. Across the week these were the tickets sold:

Tuesday	1,345
Wednesday	1,022
Thursday	1,244
Friday	1,990
Saturday	2,110

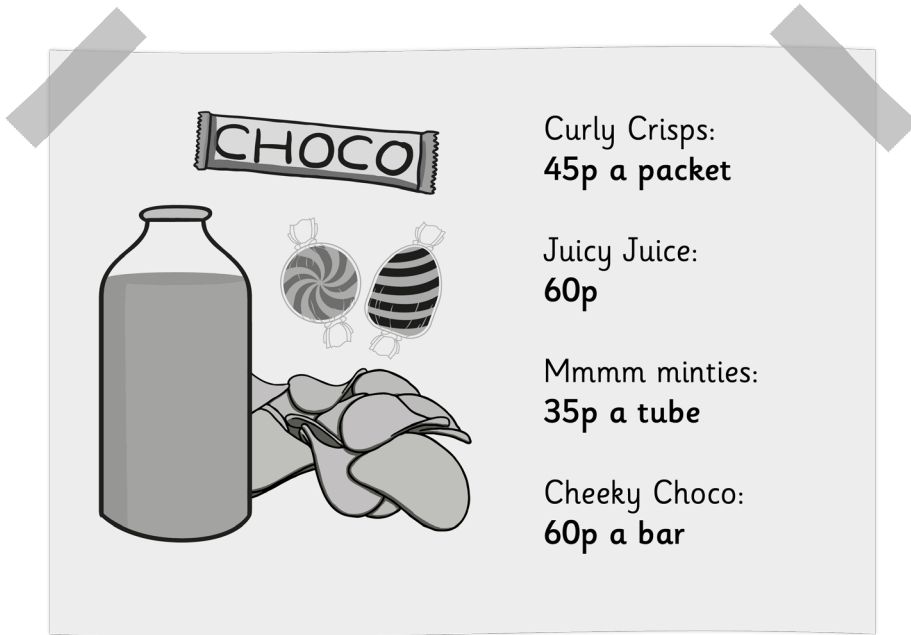**a)** How many tickets altogether were sold on Thursday, Friday and Saturday? Show your working in the box below.

b) How many unsold tickets were there on Tuesday and Wednesday? Show your working in the box below.

These are the prices at Will's Corner Store:

CHOCO

Curly Crisps:
45p a packet

Juicy Juice:
60p

Mmmm minties:
35p a tube

Cheeky Choco:
60p a bar

c) Adam goes to Will's corner store. He buys: 3 bottles of juice, 1 cheeky choco bar, 2 packets of curly crisps and 3 tubes of Mmmm minties. He gives the shopkeeper £5. How much change does he receive?

question	answer	marks	notes
1. Add numbers up to 4 digits; use formal written method of columnar addition and subtraction.			
a	3,976 8,421 3,718	3	1 mark each. Must have used a column method to answer the question
b	3 341 5 747 6184	3	1 mark each. Must have used a column method to answer the question
2. Estimate the answer to a calculation and use inverse operations to check answers.			
a	Sensible estimate given: Either 3 500 + 2 000 = 5 500 Or 3 000 + 2 000 = 5000 Either 4 800 − 2 200 = 2 600 Or 5 000 − 2 000 = 3 000	2	1 mark each
b	212 + 125 = 337 or 125 + 212 = 337	1	
3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.			
a	5,344	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer but a sensible attempt to solve the problem.
b	2,033	up to 2 marks	
c	65p or written as £0.65	up to 2 marks	
		Total 15	