Reasoning and Problem Solving
Four Operations

Developing

1a. No. Sunil should buy the biscuits in packs of 5. 2 x £1 = £2 compared to 10 x 30p = £3.00.

2a. Various possible answers, including: 2 cola; 4 nachos; 5 crisps; or 2 nachos + 1 cola.

3a. 20p

Expected

4a. No. Martha should buy a pack of 20 and a pack of 5 which would cost £4.80. Buying in packs of 5 would cost £6.00 and buying them individually would cost £11.25.

5a. Various possible answers, including:

Pear	Pineapple	Grapes	Melon	Total
2	0	0	2	£2
0	1	0	1	£2
3	1	0	0	£2

6a. £3.30

Greater Depth

7a. No. Penny should buy the balloons on the buy one get one free offer. This would cost her £7.96 compared to £11.97 by buying in packs of 3, or buying a 100 pack and a 50 pack which would cost £10.98.

8a. Various possible answers, including:

562p	£14.38	£20
£19.57	43p	£20
£3.75	£16.25	£20
308p	£16.92	£20

9a. £1.85

Developing

1b. No. Donna should pay for each swimming session. 3 x £2 = £6 compared to the £10 for the weekly pass.

2b. Various possible answers, including: 5 jigsaws; 1 aeroplane + 2 jigsaws; 1 aeroplane + 1 trumpet.

3b. £2

Expected

4b. No. Harry should pay for each cinema visit. 4 x £5.75 = £23 compared to the £25 for the monthly pass.

5b. Various possible answers, including:

Yoyo	Rubber Duck	Train	Teddy	Total
10	1	1	0	£4
0	10	0	0	£4
15	1	0	0	£4

6b. £2.25

Greater Depth

7b. No. Sarah attends a weekend class, which is 90p more expensive than a weekday class. Bobby doesn't attend a weekend class. Sarah will save 90p more than Bobby, not £2.05.

8b. Various possible answers, including:

£9.23	£20.77	£30
£23.76	624p	£30
£19.99	£10.01	£30

9b. £3

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