

**Best Buys**

**AQA GCSE – Thursday 8 June 2017 – Paper 2 (Calculator) Higher Tier**

**1.**

<b>13</b>	<b>Alternative method 1</b>		
	Valid number of bread rolls and cheese slices	M1	eg 30 bread and 60 cheese or 60 bread and 120 cheese or 90 bread and 180 cheese or 120 bread and 240 cheese Valid number means ratio 1 : 2 and can be bought in exact numbers of packs May be implied by valid number of packs
	Valid number of packs of bread rolls and cheese slices	M1dep	eg 2 packs bread and 3 packs cheese or 4 packs bread and 6 packs cheese or 6 packs bread and 9 packs cheese or 8 packs bread and 12 packs cheese Valid number of packs means ratio 2 : 3
	their number of packs of bread $\times$ 1.88 and their number of packs of cheese $\times$ 2.15	M1dep	eg 15.04 and 25.8(0)
40.84	A1	SC2 27.94 or 42.98	

**Alternative method 2 and Additional Guidance continue on the next page**

<b>13 cont</b>	<b>Alternative method 2</b>		
	Valid number of sandwiches	M1	eg Common multiple of 15 and 20 identified eg 15 30 45 <u>60</u> 75 and 20 40 <u>60</u> Valid number means can be bought in exact numbers of packs
	$1.88 + 15 + 2.15 + 10$ or $0.125(\dots) + 0.215$ or $0.34(0\dots)$	M1	oe Cost of one sandwich
	their $0.34(0\dots) \times$ their number of sandwiches	M1dep	dep on M2
	40.84	A1	SC2 27.94 or 42.98
	<b>Additional Guidance</b>		
	Alt 1 3rd M1 Allow working in pence		
	Alt 2 2nd M1 Allow working in pence		
	30 bread and 60 cheese/2 packs bread and 3 packs cheese $2 \times 1.88$ or 3.76 <b>and</b> $3 \times 2.15$ or 6.45 (Answer £10.21)		M3 A0
	60 bread and 120 cheese/4 packs bread and 6 packs cheese $4 \times 1.88$ or 7.52 <b>and</b> $6 \times 2.15$ or 12.9(0) (Answer £20.42)		M3 A0
	90 bread and 180 cheese/6 packs bread and 9 packs cheese $6 \times 1.88$ or 11.28 <b>and</b> $9 \times 2.15$ or 19.35 (Answer £30.63)		M3 A0
	150 bread and 300 cheese/10 packs bread and 15 packs cheese $10 \times 1.88$ or 18.8(0) <b>and</b> $15 \times 2.15$ or 32.25 (Answer £51.05)		M3 A0
	SC2 from 120 bread and 120 cheese or 240 bread and 120 cheese		