1	two of: 60 ÷ 8 (= 7.5) or 7 20 ÷ 8 (= 2.5) or 2 24 ÷ 8 (= 3)		5	M1	at least two divisions to find number of cartons for *l* or *w* or *h*. Could be written on sides of box
	"7" × "2" × "3" (= 42) **or** "7" × 8 (=56) and "2" × 8 (= 16) and "3" × 8(= 24)			M1	correct method to find the number of cartons that fit **or** finding the dimensions of the occupied space
	60 × 24 × 20 (= 28 800) **or** 8 × 8 × 8 (= 512) or (7 × 8) ×(2 × 8) × (3 × 8) (= 21 504) oe eg 56 × 16 × 24 (= 21 504)			M1	method to work out volume of either **B** or **C**
	"28 800 – "42" × "512" **or** "28 800" – "21504"			M1	complete method to find volume of packing material.
		7296		A1	allow 7300 from correct working
					If no marks scored SC B3 for 60 × 24 × 20 – "56" × 8 × 8 × 8 (= 128)
1 **Alt** **Finding space left**	two of 7 × 8 (= 56), 3 × 8 (= 24), 2 × 8 (= 16) or two of 60 – 56 (= 4), 20 – 16 (= 4), 24 – 24 (= 0)		5	M1	two lengths of filled space found **or** two lengths of empty space found.
	"4" × 24 × 20 (= 1920) **or** "4" × 24 × 60 (= 5760) **or** "4" × "4" × 24 (= 384) **or** or "4" × 24 × "16"(= 1536) **or** "4" × 24 × "56"(= 5376)			M1	at least one correct product seen
				M1	at least two correct products seen
	eg "1920 + "5760" – "384" **or** "1536" + "384" + "5376" **or** "5760" + "1536" **or** "1920" + "5376" oe			M1	complete method to find volume of packing material.
		7296		A1	
					Total 5 marks

2	2.4 ÷ 0.4 (= 6) or 240 ÷ 40 (= 6) or 10 ÷ 0.4 (= 25) or 1000 ÷ 40 (= 25) or 40 × 40 × 40 (= 64 000) or 0.4 × 0.4 × 0.4 (= 0.064) or 1000 × 240 × 240 (= 57 600 000) or 10 × 2.4 × 2.4 (= 57.6) oe		3	M1	could show the number of boxes along the edge of a container – award marks if this is unambiguous.
	"6" × "6" × "25" oe or "57 600 000" ÷ "64 000" or "57.6" ÷ "0.064" oe			M1	fully correct method to find greatest number of boxes
	Correct answer scores full marks (unless from obvious incorrect working)	900		A1	
					Total 3 marks