

## 1.5 Ratio and proportion

		Student name:	Score:
1.	Alexis and l Alexis recei	Bertrand share a sum of money in the ratio 3: ives \$36.	5.
	Work out ho	ow much Bertrand receives.	
			\$[2]
2.		est of 2 kg of apples and 1.5 kg of pears is \$9.7 \$2.60 per kilogram.	0.
	Find the cos	st of 1 kg of pears.	
			\$[3]
3.	The scale of	a map is 1:250000.	
	Find the actu	nal distance, in kilometres, between two cities	which are 42 cm apart on the map.
		An	swer km [2]
4.	Sara and Kl Klaus receiv	aus share some money in the ratio 5 : 4 . ves \$48.	
	Work out ho	ow much Sara receives.	
			\$[2]
5.	\$84 is divide	ed in the ratio 3:4.	
	Find the val	ue of the largest share.	
			\$[2]
6.	He cuts the	rope into two pieces. of the pieces are in the ratio 1:5.	
	Calculate th	ne length of each piece.	
			m
			m [2]
7.	Divide 360	in the ratio 7 : 2.	
			[2]



8.	Am	nap is drawn to a scale of 1 cm to 5 km.							
	(a)	On the map, the distance between two towns is 4.8 cm.							
		Find the actual distance between the towns.							
					km	ı [1]			
	<b>(b)</b>	An island has an area of $75  \mathrm{km}^2$ .							
		Find the area of the island on the map.							
					cm <sup>2</sup>	[2]			
9.	A tr	ravel agent displays the following exchange	e rates.						
		£1 = \$1.55 £1 = $\frac{1}{2}$ 9.3							
	(a)	Change £200 into dollars (\$).							
			Answer(a)	\$		[1]			
	(b)	Find the number of Chinese yuan (¥) rece		_		[2]			
0.	A tra	avel agent has the following exchange rate		•		[~]			
		£1 = \$1.25							
		£1 = €1.20	)						
	(a)	Change £200 into dollars (\$).							
					\$	[1]			
	<b>(b)</b>	Change \$100 into euros (€).							
					€	[2]			
11.	Divi	de 96 cm in the ratio 5:3.							
					cm , cm	ι [2]			
12	.\$144	4 is shared in the ratio 1 : 7.							
	Find	the value of the smaller share.				F.0.7			
12	ъ.	:1 120: d			\$	. [2]			
13	•Div	ide 120 in the ratio 3:5.				[2]			
					, ,	. [2]			
	· Oath	5 .							



14. A rectangular piece of paper	has sides of length a cr	$\mathbf{n}$ and $\mathbf{b}$ $\mathbf{cm}$ .		
b	а		OT TO CALE	
The paper is cut in half.				
			·	
The ratio of the length of the same.	e longer side to the le	ength of the shorter	side in both pie	ces of paper is
Find $a$ in terms of $b$ .				
<b>15.</b> \$126 is divided into 3 shares	in the ratio 1:2:4.	<i>a</i> =		[3]
Find the value of the largest	share.			
		\$		[2]

