1 - ((	)580/42_	2_Summer_2020_Q1) - Percentages, Ratio And Proportion, Simple And Compoun	l Interest	
(a)	(i)	Divide \$24 in the ratio 7 : 5.		
			\$  [2]	
	(ii)	Write \$24.60 as a fraction of \$2870.	Ψ	
	(11)	Give your answer in its lowest terms.		
			[2]	
	(iii)	Write \$1.92 as a percentage of \$1.60.		
			% [1]	
(b)	In a	a sale the original prices are reduced by 15%.		
	(i)		rice of \$12.	
	(-)			
			(2)	
	<b></b>		\$[2]	
	(ii)	Calculate the original price of a jacket that has a sale p	rice of \$38.25.	
			\$[2]	

(c) (i	(i) Dean invests \$500 for 10 years at a rate of 1.7% per year si	Dean invests \$500 for 10 years at a rate of 1.7% per year simple interest.		
	Calculate the total interest earned during the 10 years.			
	\$.	[2]		
(ii	ii) Ollie invests \$200 at a rate of 0.0035% <b>per day</b> compound	interest.		
	Calculate the value of Ollie's investment at the end of 1 year [1 year = 365 days.]	ar.		
	\$.	[2]		
(iii	ii) Edna invests \$500 at a rate of $r\%$ per year compound interest At the end of 6 years, the value of Edna's investment is \$55	est. 59.78 .		
	Find the value of $r$ .			
		[2]		
	r- .	[3]		

2 - (0580/23_Winter_2021_Q5) - Foreign Exchange	
Nina changes 153 euros into dollars when the exchange rate is \$1	= 0.9 euros.
Calculate the amount Nina receives.	
	\$[1]
<b>3 -</b> (0580/22_Winter_2018_Q9) <b>-</b> <i>Percentages</i>	
There are 30 000 lions in Africa.  The number of lions in Africa decreases exponentially by 2% each year	ır.
Find the number of lions in Africa after 6 years. Give your answer correct to the nearest hundred.	
	[2]
4 = (0580/21_Summer_2021_Q12) = Simple And Compound Inverest	
The profit a company makes decreases exponentially at a rate of 0 In 2014, the profit was \$9500.	0.9% per year.
Calculate the profit in 2019.	
	\$[2]

<b>5 -</b> (0580/22_Winter_2015_Q8) <b>-</b> <i>Percentages</i>	
Robert buys a car for \$8000. At the end of each year the value of the car has decreased by	10% of its value at the beginning of that year.
Calculate the value of the car at the end of 7 years.	
	Answer \$ [2]

6 - (0580/41_Summer_2018_Q3) - Simple And Compound Interest	
(a) The price of a house decreased from \$82500 to \$77500.	
Calculate the percentage decrease.	
	% [3]
(b) Roland invests \$12000 in an account that pays compound interest at a rate of 2	2.2% per year.
Calculate the value of his investment at the end of 6 years. Give your answer correct to the nearest dollar.	
Sive your answer contest to all hearest within.	
\$	[3]
7 - (0580/23_Winter_2022_Q12) - Simple And Compound Interest	
Keita invests \$4000 at a rate of 2.6% per year compound interest.	
Work out the interest earned on the investment at the end of 3 years.	
¢.	[3]
<b>\$</b>	[3]

8	■ (0580/23_Winter_2020_Q17) ■ Percentages
	Adil and Brian are paid the same wage. Adil is given a 7% pay decrease and his new wage is \$427.80. Brian is given a 7% pay increase.
	Work out Brian's new wage.
	\$ [3]
	Ψ[2]

9	<b>-</b> (0	580/42	_Winter_2016_Q1) - Percentages, Simple And Compound Interest	
	(a)	(i)	Each year the value of a car decreases by 15% of its value at Alberto buys a car for \$18000.	the beginning of that year.
			Calculate the value of Alberto's car after 3 years.	
				\$[2]
		(ii)	Belinda bought a car one year ago. The value of this car has decreased by 15% to \$14025.	
			Calculate how much Belinda paid for the car.	
				\$[3]
	(b)		is invested some money at a rate of 5% per year compound in 2 years the value of this investment is \$286.65.	terest.
		Calc	culate how much Chris invested.	
				A.
				\$

(c)	Dani invested \$200 and after 2 years the value of this investment is \$224.72.
	Calculate the rate of interest per year when the interest is
	(i) simple,
	% [3]
	(ii) compound.
	% [3]
40 "	
	s80/21_Summer_2016_Q5) - Foreign Exchange  r changes 2000 Saudi Arabian riyals (SAR) into euros (€) when the exchange rate is €1 = 5.087 SAR.
	t out how much Omar receives, giving your answer correct to the nearest euro.
	€[2]
	C[2]