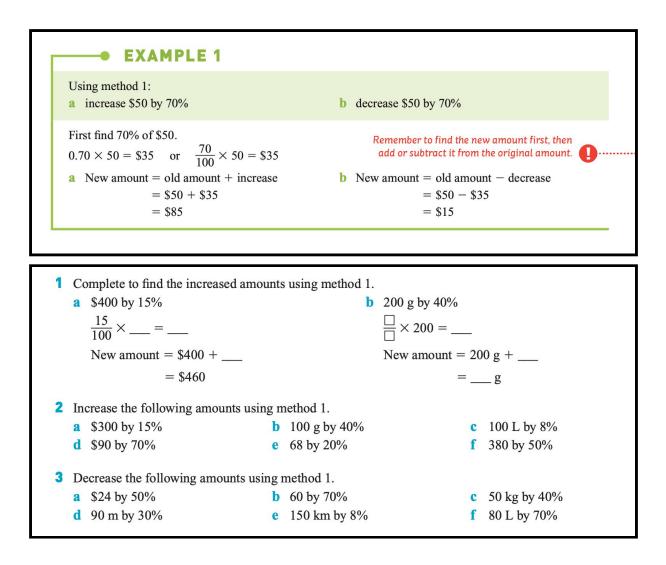
Walt Increase or decrease an amount by the given percentage

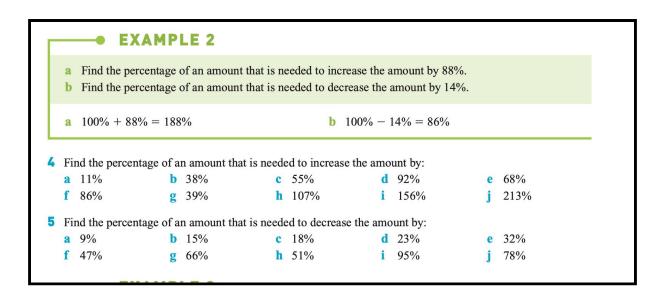
Success Criteria I know to calculate the percentage of the amount: new amount = old amount + increase new amount = old amount – decrease or find the percentage of the amount once you have increased or decreased the percentage.

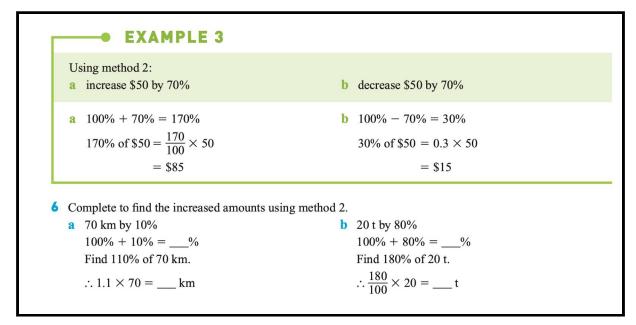


22nd June

Walt calculate increase and decrease of an amount using a multiplier method **Success criteria** Creating a multiplier Add the percent to 100% and change it to a fraction you can change it to a decimal also see the examples given by teacher.

	• E)	XAMP	LE 2						
a b	-						amount by 88 amount by 14		
я	100% + 89	8% = 188	%		b 1	100% – 1	14% = 86%		
a	100/0 + 80								
	10070 - 00	ntage of a	n amount th	at is neede	ed to increase	the amo	unt by:		
Fi	10070 - 00	0	n amount tha 38%		ed to increase 55%		unt by: 92%	e	68%
Fi	nd the percer	b		с				e j	68% 213%
Fi a f	nd the percent	b g	38% 39%	c h	55%	d i	92% 156%	e j	
Fi a f	nd the percent	b g ntage of a	38% 39%	c h at is neede	55% 107%	d i e the amo	92% 156%	e j	





Extension word problems

Increase the following using method 2.									
a 70 km by 10%	b 60 L by 80%	c \$1200 by 60%							
d 9 L by 70%	e 28 km by 50%	f 15 m by 5%							
Decrease the following using method 2.									
a 20 t by 80%	b 40 km by 70%	c 55 L by 60%							
d \$900 by 50%	e 60 g by 40%	f 70 m by 10%							
Read the following problems. I	Decide whether it is an								
increase or a decrease then solv	/e.								
a A baker increased the price	a A baker increased the price of chocolate mud cakes sold								
to restaurants by 70%. What	to restaurants by 70%. What is the new selling price of a								
chocolate mud cake if the or	chocolate mud cake if the original price was \$5.00?								
-	b Kayla's home in Mountain View Estate was purchased								
for \$160 000. Its value has i	increased by 62%. Calcul	ate	21						
its present value.		Control States Control	123						
c A sound system priced at \$980 is reduced by 15% during									
a sale. Calculate the sale pri	OF ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	and the second s							
	d Al's Cars has discounted all cars by 10% for the weekend.								
Calculate the discounted pri									
-	e Jessica purchased watches for \$5.50 and marked them up by 80% before selling them in her jewellery store. Calculate the selling price of the watches to the nearest dollar.								
store. Calculate the selling j	price of the watches to th	e nearest dollar.							
In an analysis of the Rugby League grand final the following statistics were gathered.									
Aspect	Winning team	Losing team							
Time in possession (min)	48	32							
Line breaks	15	11							
Completed sets	18	12							

b Calculate the percentage of total tackles for each team.

c Compare the percentage time in possession with the percentage of tackles. What comment can be made?

Answers

