## **NUMBER:** percentage increases

(Given an amount after a specific percentage increase, calculate the original amount)

Dat	e: Name:	http://www.learnersgrid.com	
Solve the percentage increase problems below. Round answers to 2 d.p.			
[1]	After adding a 9% sales tax, the new price for a small gift is \$16.		
	Give the original price of the small gift (i.e. B	EFORE adding the sales tax).	
[2]	After adding 23% postage & handling costs, the total	al cost of a pair of shoes from an online store is \$23.	
	Give the original price of the pair of shoes from the	ne online store (i.e. BEFORE adding p&h costs).	
[3]	The price of a theatre ticket goes up by 6% to a hi	gher price of \$41.	
	Give the original price of the theatre ticket (i	.e. BEFORE the increase).	
[4]	The cost of hiring a digger goes up to a higher price	e of \$150 per hour.	
	This is a 6% increase in cost per hour.		
	Give the original cost per hour for hiring t	the digger (i.e. BEFORE adding the increase).	
[5]	The price of a car goes up by 17% to \$11556.		
	What was the price before?		
[6]	Calculate the original price of an article which costs	\$285 after an increase of 73%.	
[7]	Calculate the original price of an article which costs	\$170 after an increase of 91%	
[8]	Calculate the original price of an article which costs	\$554 after an increase of 26%	

[9] After an increase of 7% an item costs \$17.

What did this item cost before the increase?

## **ANSWERS**

## NUMBER: percentage increases (Given an amount after a specific percentage increase, calculate the original amount)

(GIV	ven an amount aπer a specific percentage increas	a, calculate the original amount)	
Dat	te: Name:	http://www.learnersgrid.com	
Sol	lve the percentage increase problems below.	Round answers to 2 d.p.	
[1]	After adding a 9% sales tax, the new price for a sma	Il gift is \$16.	
	Give the original price of the small gift (i.e. BE	FORE adding the sales tax).	
		= \$ 14.68	
[2]	After adding 23% postage & handling costs, the tota	I cost of a pair of shoes from an online store is \$23.	
	Give the original price of the pair of shoes from	n the online store (i.e. BEFORE adding p&h costs).	
		= \$ 18.70	
[3]	The price of a theatre ticket goes up by 6% to a higher price of \$41.		
	Give the original price of the theatre ticket (i.	e. BEFORE the increase)	
		= \$ 38.68	
[4]	The cost of hiring a digger goes up to a higher price of \$150 per hour.		
	This is a 6% increase in cost per hour.		
	Give the original cost per hour for hiring the	ne digger (i.e. BEFORE adding the increase).	
		= \$ 141.51	
[5]	The price of a car goes up by 17% to \$11556.		
	What was the price before?		
	= \$ 9876	.92	
[6]	Calculate the original price of an article which costs	\$285 after an increase of 73%	
[O]	calculate the ongman price of all article which costs	= \$ 164.74	
		φ 20474	
[7]	7] Calculate the original price of an article which costs \$170 after an increase of 91%		
	<b>0</b> • <b>p</b>	= \$89.01	
[O]	Calculate the original price of an article which costs	\$554 after an increase of 26%	

\$ 439.68

What did this item cost before the increase?

= \$ 15.89