



Fractions Decimals and Percentages (H)

Pre-Intervention Assessment

Name: _____

Class: _____

Date: _____

Question	Objective	RAG
1	Increase and decrease by a given percentage	
2	Calculate with compound interest and depreciation	
3	Calculate with reverse percentages	
4	Convert recurring decimals to fractions	

1. A ticket to a theme park costs £35 plus 20% VAT.

Work out the total cost of the ticket.

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2. Helen invested £6000 for n years in a savings account.

She got 3% compound interest each year.

At the end of n years Helen had £7379.24 in her savings account.

Work out the value of n .

You must show your working.

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3. A garage sells cars.
It offers a discount of 20% off the normal price for cash.
Dave pays £5200 cash for a car.
Calculate the normal price of the car.

£

4. Prove algebraically that the recurring decimal $0.3\dot{1}\dot{8}$ can be written as $\frac{7}{22}$

[Glue here]