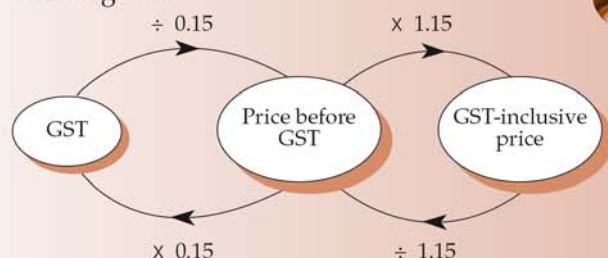


## 4.09 GST

GST stands for 'Goods and Services Tax'. The rate is 15% of the price excluding (before) GST.

### Examples

- 1 An electrician charges \$168 excluding GST for a job.
    - a Calculate the GST:  
 $15\% \text{ of } \$168 = 0.15 \times 168 = \$25.20$
    - b Calculate the GST-inclusive charge:  
 $\text{Price including GST} = 168 + 25.20 = \$193.20$
- The relationship is summarised in this diagram:



- 2 A DVD is advertised for sale at \$24.95 including GST. How much of the sale price is GST?  
 $\text{Price before GST} = \$24.95 \div 1.15 = \$21.70$   
 $\text{GST} = \text{price including GST} - \text{price before GST}$   
 $= 24.95 - 21.70 = \$3.25$

- 1 Calculate the GST for these items. In each case, the price before GST is given.
  - a A doctor's bill \$40 \_\_\_\_\_
  - b A new car \$25 500 \_\_\_\_\_
- 2 Calculate the price *including* GST for these items. In each case the price before GST is given.
  - a A book \$24 \_\_\_\_\_
  - b A skiing holiday in Queenstown \$1150 \_\_\_\_\_
- 3 A new skateboard sells for \$168.75 (including GST).
  - a Calculate the price *before* GST.  
 \_\_\_\_\_
  - b Calculate the GST.  
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- 4 An electricity bill, including GST, is \$189.45. How much of this is GST?  
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## 4.09 GST (page 17)

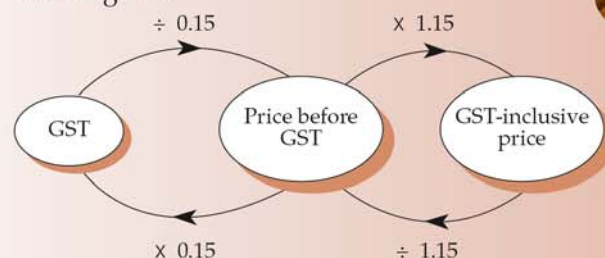
- 1 a \$6  
b \$3825
- 2 a \$27.60  
b \$1322.50
- 3 a \$146.74  
b \$22.01
- 4 \$24.71

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