Increasing a Quantity by a Given Percentage
Worksheet

135% = ____ =

115% = ____ =

108% = ____ =

1. Increase 25 by 35%.

   25 x =

   (Convert the percentage to decimal)

2. Increase 46 by 15%.

   46 x =

   (Convert the percentage to decimal)

3. Increase $2.50 by 8%.

   46 x =

   (Convert the percentage to decimal)

4. a) If a train fare goes up by 2%, what is the decimal multiplier you would use to work out the new cost?

   b) The original price of a train fare was $2. Calculate the price after the increase of 2%.

5. The cost of a camera is $285 plus GST. The rate of GST is 10%. Calculate the cost of the camera.

6. The number of children attending swimming lessons increased by 35%. 20 children attended the lessons before the increase. How many children now attend swimming lessons after the increase?

7. 2575 people visited the zoo during April. The manager at the zoo predicts that there will be a 40% increase in visitors during May. How many visitors does the manager predict will visit the zoo during May?

8. Joshua gets two quotes for car repairs:

   Quote 1: $780 GST included.

   Quote 2: $675 plus GST.

   The rate of GST is 10%. Which is the more expensive quote? Show your working.

10% = ____ =

10% of $675 = $675 x =

$675 plus 10% = $675 + $ =

$675 x 110%

$675 x =

(Convert the percentage to decimal)

LIVEWORKSHEETS