

## Grade 7 Maths Worksheet

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### Assessment Task: Finance math involving rates

#### Questions:

1. It is courtesy to reward a waiter for good service. Suzanne had dinner at a restaurant and the cost of the dinner was R42,58. This did not include the tip. Suzanne gave the waiter a tip that was 15% of the amount on her bill.
  - a) How much was the meal including the tip?
  - b) How much money did she give as a tip?

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### Solution

1. a)  $42,58 + 15\% \text{ of } 42,58$   
 $= 42,58 + 0,15 \times 42,58$        $42,58 \times 1,15$   
 $= 42,58 + 6,39$       **or**       $= R48,97$   
 $= R48,97$
- b) The tip was R6,40 rounded up to the nearest 5 cents.

We can work with the full amount plus 15% so the factor is 1,15 or we can work with 15% of the total to be added to the rand value. Thus we will work with a factor of 0,15. It is important to show both approaches to learners.

### Appendix of Assignment Tools

Percentage

Financial mathematics

Growth/increase

Decimals