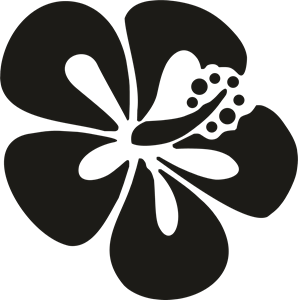
**Percentage Review**



*Complete the table:*

|  |  |  |
| --- | --- | --- |
| **Item** | **a) Total tax is 12%** | **b) Total Cost with tax** |
| Example:  DVD for $29.99 | 0.12 × 29.99 = 3.5988 = 3.6  The total tax is $3.60. | 29.99 + 3.6 = 33.59  The total cost is $33.59. |
| **1.** 12-V drill for $39.99 |  |  |
| **2.** Car radio for $89.99 |  |  |

**3.** An electronics store offered a 30% discount on MP3 players. The next week, the store offered a further discount of 15% on the already discounted price. The regular price was $45. What is the final sale price? Show your work.

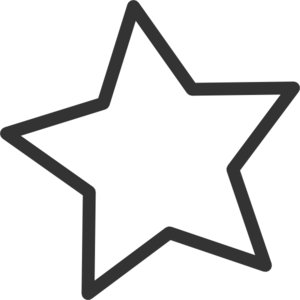
**4.** Dan says that subtracting a 20% discount from the price of an item and then adding 12% for GST and PST taxes is the same as subtracting 8% from the price of the item. Is Dan correct? Explain your reasoning.

*A store is having a 20% off sale on each of the items in the table. Determine the total cost of each item including tax.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item Regular Price** | **a) Discount Price** | **b) Sale Price** | **c) tax 12%** | **d) Total Cost** |
| Example:  Calculator at $15.49 | 0.20 × 26.49 = 3.098  Discount: $3.10 | 15.49 − 3.10 = 12.39  Sale price: $12.39 | 0.12 × 12.39 = 1.4868  Taxes:  $1.49 | 12.39 + 1.49 = 13.88  Total cost: $13.88 |
| **5.** Camera at $129.96 |  |  |  |  |
| **6.** Phone at $17.95 |  |  |  |  |

**7.** The instructions for sketching an adult male say that the head should be 12.5% of the total height. If the total drawn height of a 183-cm man is 30 cm, how many centimetres should the drawing of the head be? Express your answer to the nearest hundredth.

**8.** Is 76% × 5 *or* 75% × 5 greater? Without calculating, think of a reason to support your answer. Explain your reason to a classmate.



1. Complete the table below

|  |  |  |
| --- | --- | --- |
| **Fraction** | **Percentage** | **Decimal** |
|  |  | 0.67 |
|  | 34% |  |
| 12/33 |  |  |
|  | 112% |  |
|  |  | 1.56 |
|  | 40.5% |  |
| 6/200 |  |  |

1. 45% of 200 34.6% of 20 148% of 35
2. What is 3/5 as a percent? As a decimal?
3. 16 is 80% of what number?