Worksheet 1

Name Class Date

**Percentage change**

**1** Calculate the percentage change in sales revenue between 2019 and 2020 for each of the four companies shown in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2019 (SGD 000s) | 2020 (SGD 000s) | Percentage change |
| Wall and Ruth | 180 | 170 |  |
| My Moves | 240 | 285 |  |
| Property Climb | 360 | 380 |  |
| First Move | 195 | 180 |  |

Use the formulae and your understanding of how to calculate a percentage to complete the questions below

Gross profit  sales revenue − cost of sales

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Operating profit = gross profit − expenses

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Gross profit margin  gross profit/revenue × 100

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Operating profit margin  operating profit/revenue × 100

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**2** Surf Web Designs has sales revenue of $1.2m a year. The gross profit margin is 62 and they have expenses of $50,400 per annum.

**a** What is Surf Web Designs’ operating profit?

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**b** The marketing manager suggests that the business spends an additional $5,000 on advertising in the local paper. He believes that this would increase revenue by 1, while the GPM is still unchanged. What would be the new operating profit?

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**3** Complete the table below to show Surf Web Designs’ profit and profit margin.

|  |  |
| --- | --- |
|  | Current year ($m) |
| Sales revenue | 21.7 |
| Cost of sales |  |
| Gross profit | 4.34 |
| Gross profit margin |  |
| Expenses | 2.14 |
| Operating profit |  |
| Operating profit margin |  |