*Note change of total marks!* ₒ

Year 7

**Term 2**
**Mini Test 3**

Baldivis
*Secondary College*
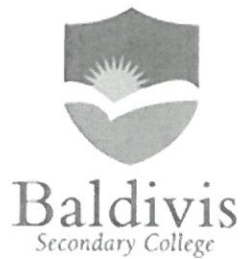
Name: ___Solutions___  Class: _____  Time: 20 minutes  Total Mark:___/~~15~~ ~~19~~ **20**

Show working and answers on this sheet. Show working in sufficient detail to support your answers. Incorrect answers without supporting reasoning will be allocated zero marks.

**Resources:** 1 A4 page of notes (1 side), Calculator allowed.

| Question 1 | *4 marks* ~~6 marks~~ |
|---|---|

Add GST (10%) to the price of each of the following items:

a) Jeans at $50

$$\frac{10}{100} \times 50 = 5 \qquad 50 + 5 = \$55$$

b) iPad at $220

$$\frac{10}{100} \times 220 = 22 \qquad 220 + 22 = \$242$$

| Question 2 | *6 marks* ~~4 marks~~ |
|---|---|

Calculate the new price of the item after the discount is applied.

a) Lamp at $43 with a discount of 10%

$$\frac{10}{100} \times 43 = 4.30 \qquad 43 - 4.30 = \$38.70$$

b) Calculator at $15 with a discount of 10%

$$\frac{10}{100} \times 15 = 1.50 \qquad 15 - 1.50 = \$13.50$$

c) A bicycle at $168 with a discount of 15%

$$\frac{15}{100} \times 168 = \$25.20 \qquad 168 - 25.20$$
$$= \$142.80$$

1

**4 marks**

**Question 3**                                                    ~~2 marks~~

Simplify the rates

a) $32 for 5kg

$$\$ \frac{32}{5} \text{ for } \frac{5}{5} kg = \$6.40 /kg \quad \text{or} \quad \$6.40 \text{ per } kg$$

✓                    ✓

b) $22 for 15 min

$$\$ \frac{22}{15} \text{ for } \frac{15}{15} min = \$1.47 \text{ per min} \quad \$1.47/min$$

✓                              ✓

**6 marks (3,3)**

**Question 4**                                                    ~~1 marks~~

Which is the best buy?

a) You are at the shops and need to buy a lot of chips for a party on the weekend, there are two options to choose from. Which chip brand would be the best buy?

Best Buy ✓

| Chiptastics are 200g for $3.20 |

$$\$ \frac{3.20}{2} \text{ for } \frac{200}{2} g = \$1.60 \text{ for } 100g$$

(½)        (½)        ③

Chipper Chips are 500g for $8.35

$$\$ \frac{8.35}{5} \text{ for } \frac{500}{5} g = \$1.67 \text{ for } 100g$$

(½)        (½)

b) You need to buy ~~10~~ **12** cheese balls for the party on the weekend, there are two options to choose from. Which cheese brand would be the best buy?

Cheesey Chester is 2 for $2.55

| Cheese Charter is 6 for $7.20 |

Best Buy ✓

✓ $6 \times 2.55 = \$15.30$ for 12

✓ $2 \times 7.20 = \$14.40$ for 12

③

**END OF TEST**

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