ALBERTA MATH 10-3 · UNIT 5 · 10 QUESTIONS

Income, Unit Pricing and Formulas — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A landscaper earns $22.00 per hour. He is paid time and a half for each hour over 8 hours in a day. In one day he works 10 hours. His gross pay for the day is**

- A $220.00
- B $242.00
- C $198.00
- D $176.00

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2 **A shop worker has a gross pay of $1 050. Deductions are 18% of gross pay. Her net pay is**



A $189.00

B $1 050.00

C $861.00

D $1 239.00

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3 **Use I = Prt. An amount of $800 is invested at 5% per year for 2 years. The total value of the investment, principal plus interest, is**

A $80.00

B $840.00

C $800.00

D $880.00

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4 **A rectangular garden plot has an area of 72 m² and a width of 8 m. Use A = lw. The length of the plot is**



A 9 m

B 64 m

C 36 m

D 18 m

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5 **The graph shows the cost of coffee beans against their mass. The unit price per 100 g is**

- A $0.20
- B $2.00
- C $20.00
- D $2.50

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6 **Convert $600 CAD to US dollars. Use 1 CAD = 0.75 USD. The amount, in US dollars, is**

- A $800.00
- B $600.00
- C $525.00
- D $450.00

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7 **A right triangle has a hypotenuse of 13 cm and one leg of 5 cm. Use $a^2 + b^2 = c^2$. The length of the other leg is**

- A 18 cm
- B 8 cm
- C 12 cm
- D 10 cm

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8 **A manager has an annual salary of $46 800 CAD and is paid monthly. Her gross pay per month is**

- A $3 900.00
- B $1 800.00
- C $900.00
- D $4 680.00

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9 **Use I = Prt. An investment of $2 000 at 3% per year earns $120 in simple interest. The time, in years, is**

- A 5 years
- B 1 year
- C 4 years
- D 2 years

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10 **A retail lead earns a base pay of $450 per week plus a commission of 5% of sales. In one week her sales are $6 400. Her total earnings are**

- A $320.00
- B $770.00
- C $450.00
- D $920.00

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ANSWER KEY

1. B
2. C
3. D
4. A
5. B
6. D
7. C
8. A
9. D
10. B

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