ALBERTA MATH 10-3 · UNIT 5 · 25 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 500 g bag of cheese costs $6.50 CAD. The unit price per 100 g is**

- A $0.13
- B $1.30
- C $3.25
- D $13.00

Understand It with Pulse | Flag a mistake

2 **Juice is sold in four sizes. Which size is the best buy?**

- A 500 mL for $1.60
- B 1 L for $2.80
- C 2 L for $5.00
- D 750 mL for $2.25

Understand It with Pulse | Flag a mistake

3 **Convert $400 CAD to US dollars. Use 1 CAD = 0.72 USD. The amount, in US dollars, is**

- A $288.00
- B $555.56
- C $472.00
- D $240.00

Understand It with Pulse | Flag a mistake

4 **Maya has $150 USD. Use 1 USD = 1.36 CAD. The value of her money, in Canadian dollars, is**

A $110.29

B $151.36

C $186.00

D $204.00

Understand It with Pulse | Flag a mistake

5 **A retail worker earns $17.50 per hour and works 24 hours in one week. Her gross pay for the week is**

A $360.00

B $395.00

C $420.00

D $480.00

Understand It with Pulse | Flag a mistake

6 **A warehouse worker earns $20.00 per hour. He is paid time and a half for each hour over 40 hours in a week. In one week he works 46 hours. His gross pay is**

- A $980.00
- B $920.00
- C $860.00
- D $800.00

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7 **A cook earns $18.00 per hour. She is paid time and a half for each hour over 8 hours in a day. In one day she works 11 hours. Her gross pay for the day is**

- A $198.00
- B $171.00
- C $144.00
- D $225.00

Understand It with Pulse | Flag a mistake

8 **An office worker has an annual salary of $52 000 CAD. She is paid biweekly, with 26 pay periods in a year. Her gross pay per pay period is**

- A $1 000.00
- B $2 000.00
- C $4 333.33
- D $2 600.00

Understand It with Pulse | Flag a mistake

9 **A salesperson earns only commission, at a rate of 5% of sales. In one month his sales are $18 000. His earnings are**

- A $90.00
- B $360.00
- C $900.00
- D $1 800.00

Understand It with Pulse | Flag a mistake

10 **A clerk earns a base pay of $700 per week plus a commission of 3% of sales. In one week her sales are $9 000. Her total earnings are**

- A $970.00
- B $700.00
- C $270.00
- D $1 240.00

Understand It with Pulse | Flag a mistake

11 **A worker is paid piecework at $2.40 for each item completed. In one day she completes 145 items. Her earnings for the day are**

- A $290.00
- B $324.00
- C $360.00
- D $348.00

Understand It with Pulse | Flag a mistake

12 **A farm worker has a gross pay of $1 200. Deductions are 22% of gross pay. His net pay is**

- A $264.00
- B $936.00
- C $1 464.00
- D $960.00

Understand It with Pulse | Flag a mistake

13 **A server has a gross pay of $845. Her deductions are income tax $110, CPP $45, and EI $20. Her net pay is**

- A $845.00
- B $735.00
- C $670.00
- D $620.00

Understand It with Pulse | Flag a mistake

14 **A server works 15 hours at $16.25 per hour and also receives $85 in tips. Her total earnings are**

- A $328.75
- B $243.75
- C $315.00
- D $398.75

Understand It with Pulse | Flag a mistake

15 **Use I = Prt. Find the simple interest on $2 000 at 4% per year for 3 years. The interest is**

- A $80.00
- B $120.00
- C $200.00
- D $240.00

Understand It with Pulse | Flag a mistake

16 **Use I = Prt, with t in years. Find the simple interest on $1 500 at 6% per year for 8 months. The interest is**

- A $720.00
- B $60.00
- C $90.00
- D $45.00

Understand It with Pulse | Flag a mistake

17 **A rectangle has a perimeter of 54 cm and a width of 9 cm. Use P = 2l + 2w. The length of the rectangle is**

- A 18 cm
- B 36 cm
- C 27 cm
- D 45 cm

Understand It with Pulse | Flag a mistake

18 **A rectangular floor has an area of 96 m² and a length of 12 m. Use A = lw. The width of the floor is**

- A 4 m
- B 6 m
- C 8 m
- D 84 m

Understand It with Pulse | Flag a mistake

19 **A right triangle has legs of 6 cm and 8 cm. Use a² + b² = c². The length of the hypotenuse is**

- A 7 cm
- B 12 cm
- C 14 cm
- D 10 cm

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20 **A box has a volume of 240 cm³, a length of 10 cm, and a width of 6 cm. Use V = lwh. The height of the box is**

- A 3 cm
- B 4 cm
- C 16 cm
- D 40 cm

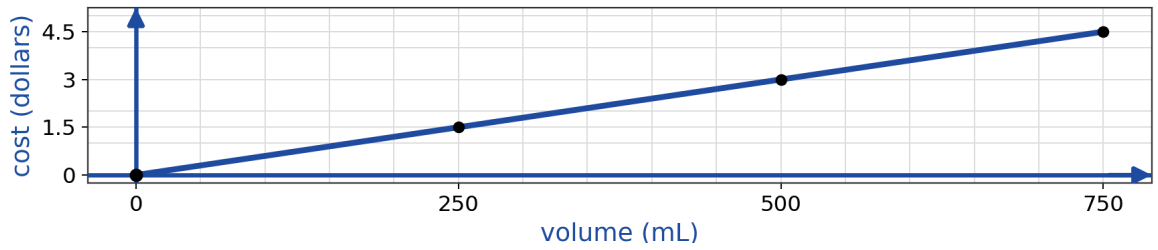
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21 **A delivery van travels 270 km at an average speed of 90 km/h. Use d = rt. The travel time is**

- A 2 h
- B 2.5 h
- C 3 h
- D 24 300 h

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22 **The graph shows the cost of cleaner against its volume. The unit price per 100 mL is**



- **A** $0.60
- **B** $0.06
- **C** $6.00
- **D** $1.50

Understand It with Pulse | Flag a mistake

23 **Rice is sold in four sizes. Which size is the best buy?**

- **A** 2 kg for $7.00
- **B** 5 kg for $16.00
- **C** 1 kg for $3.80
- **D** 10 kg for $29.00

Understand It with Pulse | Flag a mistake

24 **A trades helper earns $19.00 per hour. He is paid time and a half for each hour over 40 hours in a week. In one week he works 42 hours and has deductions of $95. His net pay is**

- A $817.00
- B $722.00
- C $798.00
- D $703.00

Understand It with Pulse | Flag a mistake

25 **Use I = Prt. An investment of $1 000 earns $90 in simple interest in 2 years. The annual interest rate is**

- A 9%
- B 18%
- C 4.5%
- D 0.45%

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. A
4. D
5. C
6. A
7. D
8. B
9. C
10. A
11. D
12. B
13. C
14. A
15. D
16. B
17. A
18. C
19. D
20. B
21. C
22. A
23. D
24. B
25. C

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