

- 1) Jan works for 2 hours at 'time and a half'. She earns \$36.00. Find her normal hourly rate.  
 (A) \$12.00 (B) \$18.00 (C) \$24.00 (D) \$27.00

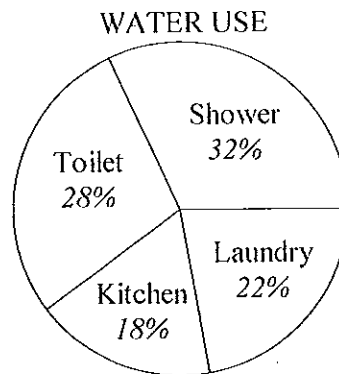
2)

| Discount for bulk posting |        |
|---------------------------|--------|
| Express Delivery          | 5% off |
| Regular Delivery          | 7% off |

The cost of posting one letter is 45 cents. A discount is given when many letters are posted at the same time. Neil wants to post 200 letters using Express Delivery. He receives the discount for bulk posting. How much will Neil pay?

- (A) \$4.50 (B) \$6.30 (C) \$83.70 (D) \$85.50

3)



The graph shows how water was used in a home. The total cost of the water used was \$175. \$38.50 was spent on water used in the

- (A) laundry (B) kitchen (C) toilet (D) shower

- 4) A compact-disk player which cost \$120 was later sold for \$90. The loss as a percentage of the cost price was

- (A) 25% (B) 30% (C)  $33\frac{1}{3}\%$  (D) 75%

- 5) The Constra Phone Company has two rental plans for mobile telephones.

|        | Monthly Rent | Cost per call |
|--------|--------------|---------------|
| Plan 1 | \$10         | 48 cents      |
| Plan 2 | \$25         | 24 cents      |

Jacob uses Plan 1 and Murial uses Plan 2. In one month, they each make 50 calls.

The difference in their bills for the month is

- (A) \$3 (B) \$9 (C) \$12 (D) \$15

- 6) The tax payable on taxable incomes in the range \$20 701 to \$38 000 is given by:

|   |
|---|
| $\$3060$ plus $34c$ for each $\$1$ over $\$20\,700$ . |
|---|

How much tax does Theresa pay if her taxable income is \$29 408?

- (A) \$2960.72 (B) \$6020.72 (C) \$9998.72 (D) \$13 058.72

- 7) John's normal rate of pay is \$7.50 per hour. He is paid the normal rate for the first 30 hours, time and a half for the next 5 hours, and double time after that. His wage for a 37-hour week is  
 (A) \$277.50 (B) \$292.50 (C) \$303.75 (D) \$311.25

8)

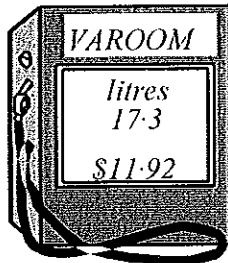
| Tour costs              |                  |
|-------------------------|------------------|
| September to 31 January | \$890 per person |
| 1 February to 31 March  | \$970 per person |
| Extras:                 |                  |
| All dinners included    | \$290 per person |
| All breakfasts included | \$75 per person  |

Mr and Mrs Diab will start a tour on 14 February. What is the total cost if they choose to have all breakfasts included?

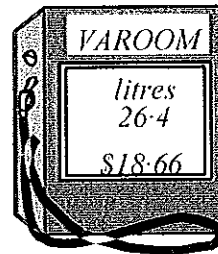
- (A) \$1930 (B) \$2090 (C) \$2520 (D) \$2670

- 9) The petrol pumps show the number of litres bought and the total price paid on four different days. Which pump shows the best value?

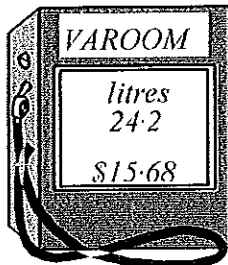
(A)



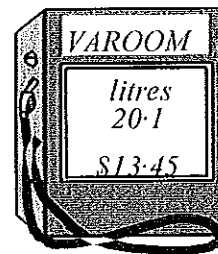
(B)



(C)



(D)



10)



At this sale, Chris bought a set of CDs normally priced at \$60. How much did he pay?

- (A) \$45 (B) \$50 (C) \$51 (D) \$54

- 11) \$800 is invested at 6% per annum. The simple interest earned between 30 June and 1 October is  
 (A) \$4 (B) \$12 (C) \$16 (D) \$20
- 12) Workers were given a pay rise of either 4% or \$20 per week, whichever was larger. Before the rise, Sue earned \$700 per week and Wal earned \$400 per week. The total of their rises was  
 (A) \$36 (B) \$40 (C) \$44 (D) \$48
- 13) Below is part of a savings-account bank-book.

| Date     | Deposit | Withdrawal | Balance |
|----------|---------|------------|---------|
| 29 June  | 267.00  |            | 403.00  |
| 29 June  |         | 77.00      | 326.00  |
| 16 July  | 290.00  |            |         |
| 16 July  |         | 90.00      | 526.00  |
| 29 July  | 274.00  |            |         |
| 4 August |         | 78.00      |         |

Some of the entries in the balance column have been left out. The entry in the balance column for 4 August should be

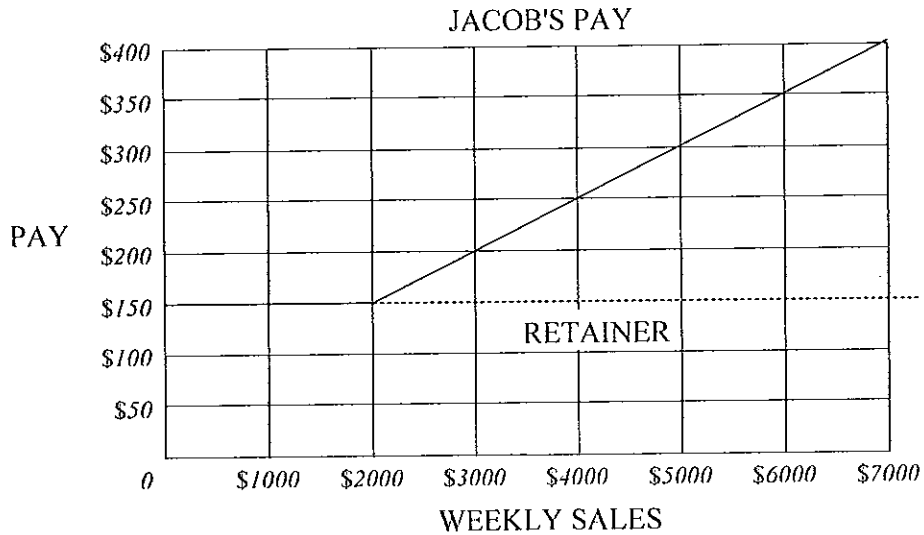
- (A) \$330.00 (B) \$448.00 (C) \$632.00 (D) \$722.00
- 14) Dino works 7 nights per week in a coffee shop. Each night he works from 10:00 pm until 2:30 am. He earns \$8 per hour before midnight and \$12 per hour after midnight. How much does he earn in a week?  
 (A) \$46 (B) \$252 (C) \$322 (D) \$378
- 15) A jacket was reduced from \$200 to \$150 in a sale. Its price was discounted by  
 (A) 25% (B)  $33\frac{1}{3}\%$  (C) 50% (D) 75%
- 16) A gas company's charges for a 3-month period are:

|                           |                       |
|---------------------------|-----------------------|
| First 750 units           | 2.4192 cents per unit |
| Additional units over 750 | 1.244 cents per unit  |

The Martins used 2500 units of gas in this period. The total cost of this gas is  
 (A) \$21.77 (B) \$31.10 (C) \$39.91 (D) \$49.24

- 17) When \$600 is invested for 3 years, the simple interest earned is \$90. The annual rate of interest is  
 (A) 5% (B) 15% (C) 30% (D) 45%
- 18) The price of petrol dropped from 71.9c per litre to 52.9c per litre. The percentage decrease in price to the nearest whole number was  
 (A) 19% (B) 26% (C) 36% (D) 74%
- 19) 200 g of coffee sells for \$3.80. Which of the following is equivalent to this?  
 (A) 1 kg for \$1.90 (B) 50 g for \$0.90  
 (C) 300 g for \$5.70 (D) 500 g for \$9.05
- 20) Calculate the simple interest on \$1200 for 5 months at 6% per annum.  
 (A) \$30 (B) \$72 (C) \$360 (D) \$3000

21)



Jacob is paid a retainer of \$150 plus commission on sales over \$2000. The graph shows how his pay is calculated. One week, Jacob's sales were \$3000. The next week his pay doubled. What were his sales that week?

- (A) \$200      (B) \$400      (C) \$6000      (D) \$7000

22)

| TAXABLE INCOME      | TAX  |
|---------------------|--|
| \$35 000 - \$49 999 | \$9107 plus 47c for each \$1 over \$35 000 |

Find the tax payable on a taxable income of \$40 000.

- (A) \$2350      (B) \$11 457      (C) \$18 800      (D) \$27 907

23)

**MONTHLY REPAYMENTS**

| Amount of loan | Term of loan |           |           |
|----------------|--------------|-----------|-----------|
|                | 12 months    | 24 months | 36 months |
| \$             | \$           | \$        | \$        |
| \$1000         | 91           | 49        | -         |
| \$2000         | 182          | 99        | 71        |
| \$3000         | 273          | 148       | 107       |
| \$4000         | 364          | 197       | 142       |
| \$5000         | 456          | 247       | 178       |

Alan takes out a loan of \$4000 over a term of 24 months. How much interest will he pay?

- (A) \$197      (B) \$728      (C) \$3803      (D) \$4728

24)

Grant receives \$24 for delivering 400 pamphlets. He receives an additional \$12 per day for delivering in wet weather. One wet day he delivered 600 pamphlets. How much should he receive?

- (A) \$28      (B) \$36      (C) \$48      (D) \$54

25)

An insurance company charges 0.15% of the value of a building to insure it. What is the insurance premium for a building worth \$14 000 000?

- (A) \$2 100      (B) \$21 000      (C) \$210 000      (D) \$2 100 000

- 26) On 1 July, Elizabeth had \$278 in the bank. Her transactions for July are shown:

| DATE    | WITHDRAWAL | DEPOSIT | BALANCE |
|---------|------------|---------|---------|
| 3 July  |            | \$56    |         |
| 10 July | \$73       |         |         |
| 22 July |            | \$65    |         |
| 31 July | \$10       |         |         |

On which of these dates was the amount in the balance column the greatest?

- (A) 3 July      (B) 10 July      (C) 22 July      (D) 31 July
- 27) When Angela bought a \$30 jacket at a discount store she only had to pay \$18. Calculate the percentage discount.
- (A) 12%      (B) 40%      (C) 60%      (D)  $60\frac{2}{3}\%$
- 28) Sally decides to buy a car for \$8000. She has saved \$2000 for the deposit and takes out a loan over two years for the balance. The flat rate of interest charged is 18% per annum. The total amount of interest to be paid is
- (A) \$1080      (B) \$1440      (C) \$2160      (D) \$2880

29)

| Taxable Income \$ | Tax   |
|-------------------|---|
| \$1 - 5099        | Nil   |
| \$5100 - 12 599   | 0 plus 24c for each \$1 over \$5100           |
| \$12 600 - 19 499 | \$1800.00 plus 29c for each \$1 over \$12 600 |
| \$19 500 - 34 999 | \$3801.00 plus 40c for each \$1 over \$19 500 |

Adrienna earns \$20 500 in one year. Her allowable deductions total \$1500. From the above table, which of the following expressions represents her total tax?

- (A)  $\$1800 + 6400 \times 29c$       (B)  $\$1800 + 6400 \times 40c$   
 (C)  $\$3801 + 1000 \times 29c$       (D)  $\$3801 + 1000 \times 40c$
- 30) Jeanette is paid \$9.50 per hour for the first 36 hours she works in a week. She is paid "time and a half" for every extra hour worked. How much is Jeanette paid if she works for 41 hours in one week?
- (A) \$389.50      (B) \$413.25      (C) \$460.75      (D) \$584.25

**Answers**

- 1)→ A »
- 2)→ D »
- 3)→ A »
- 4)→ A »
- 5)→ A »
- 6)→ B »
- 7)→ D »
- 8)→ B »
- 9)→ C »
- 10)→ D »
- 11)→ B »
- 12)→ D »
- 13)→ D »
- 14)→ C »
- 15)→ A »
- 16)→ C »
- 17)→ A »
- 18)→ B »
- 19)→ C »
- 20)→ A »
- 21)→ D »
- 22)→ B »
- 23)→ B »
- 24)→ C »
- 25)→ B »
- 26)→ A »
- 27)→ B »
- 28)→ C »
- 29)→ A »
- 30)→ B »