

## Consumer arithmetic

Name: \_\_\_\_\_

### All Multiple Choice

- 1 Jake's annual salary is \$38 670. His fortnightly pay is:  
A \$1760.50  
B \$743.65  
C \$989.55  
D \$1487.31
- 2 Which of the following is the highest annual salary?  
A \$530 per week  
B \$1075 per fortnight  
C \$2330 per month  
D \$27 900 per annum
- 3 Janet's annual salary is \$26 240. Her weekly pay is:  
A \$743.65  
B \$1009.23  
C \$671.28  
D \$504.62
- 4 Billy charges \$8.50 per hour to babysit. If he babysits 12 hours in one week, he will earn:  
A \$51.00  
B \$102.00  
C \$98.00  
D \$96.00
- 5 Peter earns \$6.25 per hour. How many hours will it take him to earn \$85?  
A 12  
B 13  
C 14  
D 15
- 6 Kate receives a normal rate of pay of \$12.60 per hour. When Kate works on Saturday she is paid time-and-a-half. What is Kate's hourly rate on Saturday?  
A \$6.30  
B \$18.90  
C \$25.20  
D \$31.80
- 7 If an hourly pay rate is \$8.96,  $4\frac{1}{2}$  hours' overtime paid at time-and-a-half will be:  
A \$60.48  
B \$13.44  
C \$51.45  
D \$40.32
- 8 Iona works two hours every day of the week. Her hourly rate is \$12.76, and she is paid time-and-a-half on Saturday and double-time on Sunday. How much does she earn in a week?  
A \$216.92  
B \$197.78  
C \$127.60  
D \$178.64
- 9 James has a job delivering pamphlets to letterboxes. He is paid \$11.45 per 1000 pamphlets. If James delivers 3200 pamphlets he is paid:  
A \$34.35  
B \$36.64  
C \$34 350  
D \$36 640

**10** Domonic is a car detailer who is paid \$22.75 for the first 50 cars detailed each week and \$28.25 for any cars detailed thereafter. Calculate what Domonic will earn in a week where he details 61 cars.

- A \$1387.75
- B \$1448.25
- C \$1723.25
- D \$2860.75

**11** Norbert is a writer who is paid a royalty of 12.5% on the gross sales of his book. Norbert's royalties on book sales totalling \$25 000 will be:

- A \$1250
- B \$2500
- C \$3125
- D \$3750

**12** Using the information in question 11, the value of book sales that would be needed for Norbert to receive \$6000 in royalties is:

- A \$750
- B \$48 000
- C \$60 000
- D \$72 000

**13** Bernice is paid a retainer of \$280 per week and receives a commission of 2.5% of all sales above \$10 000 each week. In a week where Bernice's sales total \$15 000, her earnings will be:

- A \$125
- B \$375
- C \$405
- D \$655

**14** A real estate agent is paid 1.5% commission on all properties he sells. If he sells two properties in a month for \$135 500 and \$176 250, how much does he earn in the month?

- A \$2032.50
- B \$4676.25
- C \$3548.20
- D \$3950.00

**15** Andrew works on a road crew and is paid \$10.96 per hour. In wet weather Andrew is paid a loading of 90c per hour. Andrew's wage in a week where he works 38 hours of which 12 are in wet weather is:

- A \$295.76
- B \$416.48
- C \$427.28
- D \$450.68

**16** Kieran earns \$12.40 per hour for a 40 hour working week. Kieran's total pay for his 4 weeks holiday including a 17.5% holiday loading is:

- A \$347.20
- B \$496.00
- C \$1984.00
- D \$2331.20

**17** Jessica earns \$1140 per week. Use the table on page 431 of the text to determine her net pay given that tax will be her only deduction.

- A \$293.80
- B \$846.20
- C \$1140.00
- D \$1433.80

**18** Peter earns \$680 per week. Use the table on page 431 of the text to determine the percentage of gross income that Peter pays in tax.

- A 19.7%
- B 19.8%
- C 80.2%
- D 80.3%

**19** Susan borrowed \$9500 at 8.5% p.a. interest. How much interest did Susan pay the first year?

- A \$902.50
- B \$1185.00
- C \$807.50
- D \$980.80

- 20** The simple interest earned on \$5000 at 8% p.a. for 3 years is:
- A \$400
  - B \$800
  - C \$1200
  - D \$6200

- 21** Yael borrowed \$2 400 at 5.5% p.a. interest. How much interest did Yael pay in the first year?
- A \$86.00
  - B \$132.00
  - C \$189.00
  - D \$240.00

- 22** Juan invests \$2600 at 8.5% interest per annum. How much interest will Juan receive in the first year?
- A \$850
  - B \$260
  - C \$221
  - D \$100

ANSWERS :

(1) D

(8) A

(15) C

(22) C

(2) C

(9) B

(16) D

(3) D

(10) B

(17) B

(4) B

(11) C

(18) B

(5) C

(12) B

(19) C

(6) B

(13) C

(20) C

(7) A

(14) B

(21) B