Income – commission and piecework

The best portion of a good man's life is …

3	11	13

15	11	5	5	15	17
,

14	16	18	17	15	17	13	13
,

1	14	9	17	18	17	18	2	17	9	17	12

16	8	5	13	10	7	6	11	14	12	14	17	13	13

16	14	12	10	7	15	10	4	17

William Wordsworth

Work out the answers to the questions below, rounding percentages to one decimal place.
The solutions will give you the corresponding letter to place in the cells above.

Questions

A car yard pays its salespeople 5% for the first $10 000 of the value of the cars they sell, 4% for the next $10 000, and 3% of any amount after that. Calculate the amount of commission received if the following cars are sold.

1 A $7000 Datsun

2 A $39 990 Commodore

3 A $17 499 Charade

A fruit picker is paid $4.30 per box of fruit picked.

4 How much would a picker earn for 37 boxes picked over a day?

5 If a picker earns $812.70 in a week, how many boxes of fruit have they picked?

6 If a picker picked 46 boxes over a 10-hour period, what was their average hourly rate of pay?

A real estate office pays its salespeople a weekly retainer of $220 plus commission of 2.5% for the first $200 000 of the value of each property sold and 2% of each amount after that. Calculate the commission received if the following houses are sold.

7 A $540 000 house

8 A $795 600 house

9 During the 4 weeks of February, Daniel sold houses worth $472 500 and $618 000. What was his total income for that month including retainer?

10 During a 4-week period, Katrina sold two units worth $384 000 and $216 000 and a house worth $593 700. What was her total income?

11 A commission of $9800 would be received on the sale of a house of what price?

Outworkers who sew T-shirts together are paid a wage of $3 per hour plus $1.45 for each T-shirt sewn together. Calculate the average hourly wage for each of the following workers.

12 Kellie, who sews 90 T-shirts over 8 hours

13 Nicole, who sews 47 T-shirts over 6 hours

14 David, who sews 116 T-shirts over 10 hours

How many T-shirts were sewn by the following workers?

15 Cameron, who earned $547.55 for a 38-hour week

16 Jasmine, who earned $662.30 for a 40-hour week

A door-to-door roofing salesman receives a 30% commission on the value of his sales, plus a $105 weekly retainer.

17 How much income does he receive in a week when he sells $1305 worth of roofing?

18 How much roofing did he sell in a week when he earned $790?

Solutions

A 374

B $1499.70

C $16 912

D $19.31

E $496.50

F $11 800

H $799.96

I $440 000

K $19.78

L 299

M $2283.33

N $19.82

O $27 754

R $24 690

S $14.36

T 189

U $350

V $159.10