

WALT Calculate salaries and wages as per the given rate and term

Success Criteria I know and understand

- Different methods of payment
- Different rates
- What is fortnightly, weekly and monthly

Methods of payment

Method of payment	Description	Examples of occupations	Advantages/disadvantages
Salary	A fixed amount per year, usually paid weekly or fortnightly		
Wages	An hourly rate for an agreed number of hours per week, usually paid weekly or fortnightly		
Commission	A percentage of the value of goods or services sold. Sometimes a low wage, called a retainer , is paid in addition to this		
Piecework	A fixed amount for each item produced or completed		
Fee	A fixed amount for a service provided		

[Video](#)

Use this example

Georgina works for 3 days a week and earns a salary of \$670.85 per week. How much does she earn per:

a fortnight? **b** year? **c** month? **d** quarter?

	Solve	Think	Apply
a	Fortnightly = $\$670.85 \times 2$ = \$1341.70	There are 2 weeks in a fortnight. Multiply the weekly salary by 2.	There are 52 weeks in a year, and 12 months is not exactly 4 weeks as 4 weeks is 28 days. Monthly pay is averaged over 12 months. There are 3 months in a quarter, so the quarterly salary could also be found by multiplying the monthly salary by 3.
b	Yearly = $\$670.85 \times 52$ = \$34 884.20	There are 52 weeks in a year. Multiply the weekly salary by 52.	
c	Monthly = $\frac{\$34\ 884.20}{12}$ = \$2907.02 to the nearest cent	There are 12 months in a year. Divide the yearly salary by 12. One month is <i>not</i> 4 weeks.	
d	Quarterly = $\$670.85 \times 13$ = \$8721.05	One quarter of 52 is 13. Multiply the weekly salary by 13.	

Try now

1 Neil works for 3 days a week and earns a salary of \$728.56 per week. How much does he earn per:

a fortnight? **b** year? **c** month? **d** quarter?

2 Convert the following weekly salaries into the equivalent salary per:

i fortnight **ii** year **iii** month **iv** quarter.

a \$914 **b** \$790 **c** \$1025.60 **d** \$984.60 **e** \$1378.94

Harry works full-time and earns a salary of \$68 600 p.a.
How much does he earn per:

p.a. is short for per annum, which means per year. !

- a** week? **b** fortnight? **c** month? **d** quarter?

	Solve	Think	Apply
a	$\text{Weekly} = \frac{\$68\,600}{52}$ $= \$1319.23$ to the nearest cent	There are 52 weeks in a year. Divide the yearly salary by 52.	Yearly amounts allow conversions to be straightforward. If unsure about converting, calculate the yearly amount first.
b	$\text{Fortnightly} = \frac{\$68\,600}{26}$ $= \$2638.46$ to the nearest cent	There are 26 fortnights in a year Divide the yearly salary by 26.	
c	$\text{Monthly} = \frac{\$68\,600}{12}$ $= \$5716.67$ to the nearest cent	There are 12 months in a year. Divide the yearly salary by 12.	
d	$\text{Quarterly} = \frac{\$68\,600}{4}$ $= \$17\,150$	There are 4 quarters in a year. Divide the yearly salary by 4.	

Try now

- 3** Tara works full-time and earns a salary of \$64 800 p.a. How much does she earn per:
a week? **b** fortnight? **c** month? **d** quarter?
- 4** Convert the following yearly salaries to the equivalent salary per:
i week **ii** fortnight **iii** month **iv** quarter.
a \$52 400 **b** \$36 600 **c** \$95 370 **d** \$76 280 **e** \$82 900
- 5** Convert the annual salaries shown in the advertisements below to the equivalent:
i weekly salary **ii** fortnightly salary **iii** monthly salary.

a

Fashion
Girl's Surfwear Designer \$80K Exciting position for the right person. Ph 9444 222

b

Foreman \$110K Experienced foreman required for city project. Ph 9333 000

c

Cleaner/Housekeeper \$40K Rare opportunity to work in fine home. Ph 9666 000

\$40K is a short way

Bruno is employed full-time and earns a salary of \$4600 per month. What is his equivalent weekly salary?

Solve	Think	Apply
$\text{Yearly salary} = \$4600 \times 12$ $= \$55\,200$ $\text{Weekly salary} = \frac{\$55\,200}{52}$ $= \$1061.54 \text{ to the nearest cent}$	Find the yearly salary first by multiplying \$4600 by 12. Then find the weekly salary by dividing by 52.	Do not divide monthly by 4. Most months are 4 weeks plus 2 or 3 extra days, so always convert to yearly.

Try now

- 6** Samantha is employed full-time and earns \$6900 per month. What is her equivalent weekly salary?
- 7** Convert the following monthly salaries to the equivalent weekly salaries.
a \$4200 **b** \$2890 **c** \$5635 **d** \$7000 **e** \$3599
- 8** Scott earns \$68 840 p.a., Lisa earns \$1350 per week, Paula earns \$5700 per month and Tranh earns \$17 050 per quarter. Who earns the most?


Ella works a 35-hour week as a waitress and is paid \$23.86 per hour. What is her weekly wage?

Solve	Think	Apply
$\begin{aligned} \text{Weekly wage} &= \$23.86 \times 35 \\ &= \$835.10 \end{aligned}$	Find the pay per week by multiplying the hourly rate of \$23.86 by 35 hours.	Many positions are paid by the hour.

Try now

- 9** Dean works a 35-hour week and is paid \$21.70 per hour. What are his weekly wages?
- 10** Calculate the weekly wages for a person who works a 35-hour week and is paid:
a \$18.90/h **b** \$22.30/h **c** \$26.48/h **d** \$53.67/h **e** \$84.50/h

Yoshi earns \$992.50 for working a 25-hour week as a security guard.
 What is his hourly rate of pay?

Less than 30 hours a week is part-time. 

Solve	Think	Apply
$\begin{aligned} \text{Hourly rate} &= \frac{\$992.50}{25} \\ &= \$39.70 \end{aligned}$	Find the hourly rate by dividing the weekly wage of \$992.50 by 25 hours.	The hourly rate is useful to compare pay rates for different jobs.

- 11** Lauren earns \$715 for working a 25-hour week. What is her hourly rate of pay?
- 12** Calculate the hourly rate of pay for Phil who works a 25-hour week and is paid the following weekly wages:
a \$710 **b** \$877.50 **c** \$605 **d** \$485 **e** \$447.50

Sophie works a 38-hour week and is paid \$28.75 per hour. How much does she earn in a:

- a** week? **b** fortnight? **c** year? **d** average month?

	Solve	Think	Apply
a	Weekly wages = $\$28.75 \times 38$ = \$1092.50	Find the weekly wage by multiplying the hourly rate of \$28.75 by 38 hours.	Always convert to a weekly or annual wage to find the amount over other time periods. <i>Remember: 1 month is not equal to 4 weeks. !</i>
b	Fortnightly wages = $\$1092.50 \times 2$ = \$2185	Find the fortnightly wage by multiplying the weekly wage by 2.	
c	Yearly wages = $\$1092.50 \times 52$ = \$56 810	Find the yearly wage by multiplying the weekly wage by 52.	
d	Monthly wages = $\frac{\$56\ 810}{12}$ = \$4734.17 to the nearest cent	There are 12 months in a year, so divide the yearly wage by 12.	

13 Trevor earns \$17.20 per hour and works a 36-hour week. How much does he earn in a:

- a** week? **b** fortnight?
c year? **d** average month?

14 If a person is paid the following hourly rates for a 38-hour week, how much do they earn in a:

- i** week? **ii** fortnight?
iii year? **iv** month?
a \$43/h **b** \$27.60/h
c \$52.90/h **d** \$18.45/h
e \$75.30/h **f** \$23.55/h



Answers