1. Convert 18% to a fraction

2. Convert $\frac{11}{20}$ to a percentage

3. Convert 9% to a decimal

4. Convert 0.51 to a percentage

5. Find 35% of 600 m

6. Increase $80$ by 15%

7. Betty has a part-time job selling building products which pays $100$ pw and 2% commission on sales made
   a. How much would Betty earn in a week if she made no sales?
   b. If Betty sold $18000$ worth of building products in one week, how much would she earn?
   c. If Betty sold $24000$ worth of materials in one week and $5000$ worth in the next, find his average weekly income for the two weeks.

8. Luke has a casual job from 4:00 pm till 5:30 pm Monday to Friday. He also works from 9 am till 12:30 pm on Saturdays. Find his weekly income if his casual rate is $8.80 per hour Monday to Friday, and $11.50 an hour on Saturdays

9. During one week Jack worked 35 hours at the normal rate of $11.60$ per hour. He also worked 6 hours overtime: at ‘time-and-a-half’ and 2 at ‘double-time’. How much did he earn?

10. Calculate Jill’s holiday loading if she is given 17½% of four weeks salary and she earns $980$ per fortnight.

11. Find the net pay for the week if John earns $423.60$, is taxed $67.80$, pays $32.10$ for superannuation and has miscellaneous deductions totalling $76.30$. What percentage of his gross pay did he pay in tax?
### Taxable income and Tax on this income

<table>
<thead>
<tr>
<th>Taxable income</th>
<th>Tax on this income</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – $18,200</td>
<td>Nil</td>
</tr>
<tr>
<td>$18,201 – $37,000</td>
<td>19c for each $1 over $18,200</td>
</tr>
<tr>
<td>$37,001 – $80,000</td>
<td>$3,572 plus 32.5c for each $1 over $37,000</td>
</tr>
<tr>
<td>$80,001 – $180,000</td>
<td>$17,547 plus 37c for each $1 over $80,000</td>
</tr>
<tr>
<td>$180,001 and over</td>
<td>$54,547 plus 45c for each $1 over $180,000</td>
</tr>
</tbody>
</table>

12 Alan received a salary of $47,542 and a total from other income (investments) of $496. His total tax deductions were $1,150. During the year he had already paid tax instalments amounting to $10,710.75. Find:

a) his total income
b) his taxable income
c) how much Alan must pay as his Medicare levy
d) the tax payable on his taxable income
e) his refund due or balance payable when the Medicare levy is included
f) how much extra Alan would receive each week if he is given a wage rise of $10 per week

13 Tom was able to borrow $36,400 at 8.5% p.a simple interest for 4 years. How much interest did he pay altogether?

14 Find the simple interest on $600 at 11% p.a for

a) 1 year          b) 3 years
ANSWERS

Question 1

\[
\begin{array}{c}
9 \\
50
\end{array}
\]

Question 2

55%

Question 3

0.09

Question 4

51%

Question 5

210 m

Question 6

$92

Question 7

a) Week’s earnings = $100 + 2% of $0 = $100 + $0

∴ Betty making no sales is paid $100.

b) Betty’s earnings = $100 + 2% of $18 000 = $100 + 0.02 \times $18 000

= $460 in the week

c) Week 1

Betty’s earnings = $100 + 2% of $24 000 = $100 + 0.02 \times $24 000

∴ Earnings week 1 = $580

Week 2

Betty’s earnings = $100 + 2% of $5000 = $100 + 0.02 \times $5000

∴ Earnings week 2 = $200

∴ Betty’s average weekly wage = ($580 + $200) , 2 = $390

Question 8

Luke’s weekly income = 1\frac{1}{2} \times 5 \times $8.80 + 3\frac{1}{2} \times $11.50

= $106.25
Question 9

Jacks earnings = \((35 \times 11.6) + (4 \times 11.6 \times 1.5) + (2 \times 11.6 \times 2)\) = \($522\)

Question 10

Jill’s holiday Loading = \(17.5 \div 100 \times (980 \times 2)\) = \($343\)

Question 11

Net Pay = \($423.60 - $67.80 - $32.10 - $76.30\) = \($176.20\)

Tax as a percentage of gross pay = \(\frac{67.80}{423.60} \times 100\) = 16%

Question 13

\(\$36400 \times 0.085 \times 4\) = \($12376\)

Question 14

a) \(\$66\)  b) \(\$198\)