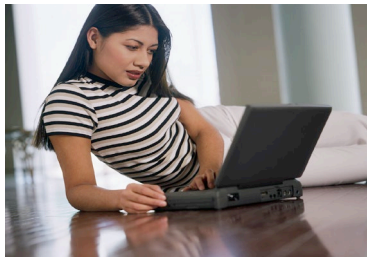


# COMPOUND INTEREST

## SKILLS QUESTIONS

Complete the table to find the Amount received after the investment period. Show all working.

Q	Principal	Interest Rate p.a.	Time of investment	Compounded when	Amount received (\$)
1	\$ 10 000	12%	2 years	Annually	
2	\$ 2 500	12%	36 months	Yearly	
3	\$ 3 000	12%	3 years	Semi-annually	
4	\$ 2 000	12%	18 months	Every 6 months	
5	\$ 40 000	12%	4 years	Quarterly	
6	\$ 6 000	12%	30 months	Every 3 months	
7	\$ 5 000	12%	2 years	Monthly	
8	\$ 100 000	6%	3 years	Annually	
9	\$ 15 000	6%	3.5 years	Quarterly	
10	\$ 25 000	6%	2 years	Monthly	



Complete the table to find the Principal. Show all working.

Q	Amount received	Interest Rate p.a.	Time of investment	Compounded when	Principal (\$)
11	\$ 10 000	12%	2 years	Annually	
12	\$ 2 500	12%	36 months	Yearly	
13	\$ 3 000	12%	3 years	Semi-annually	
14	\$ 2 000	12%	18 months	Every 6 months	
15	\$ 40 000	12%	4 years	Quarterly	
16	\$ 6 000	12%	30 months	Every 3 months	
17	\$ 5 000	12%	2 years	Monthly	
18	\$ 100 000	6%	3 years	Annually	
19	\$ 15 000	6%	3.5 years	Quarterly	
20	\$ 25 000	6%	2 years	Monthly	

# ANSWERS

- Q1. 12544
- Q2. 3512.32
- Q3. 4255.56
- Q4. 2382.03
- Q5. 64188.26
- Q6. 8063.50
- Q7. 6348.67
- Q8. 119101.60
- Q9. 18476.34
- Q10. 28178.99

- Q11. 7971.94
- Q12. 1779.45
- Q13. 2114.88
- Q14. 1679.24
- Q15. 24926.68
- Q16. 4464.56
- Q17. 3937.83
- Q18. 83961.93
- Q19. 12177.74
- Q20. 22179.64