Q1. (June 2018 v2)

19 Friedrich borrows \$1200 for 3 years at a rate of 5.6% per year compound interest.

Work out the total amount he pays back at the end of the 3 years.

\$ ..... [3]

Q2. (June 2018 v3)

9 Increase \$22 by 15%.

\$..... [2]

Q3. (June 2019 v1)

2 Work out \$1.20 as a percentage of \$16.

.....% [1]

Q4. (June 2019 v3)

19 Harry invests $800 for 2 years at a rate of 3% per year compound interest.

Calculate the amount of interest he receives at the end of the 2 years.

$ ..... [3]

Q5. (June 2020 v1)

21 Lucia invests $5000 at a rate of 4.5% per year compound interest.

Calculate the value of her investment at the end of 7 years.

$ ..... [2]

Q6. (June 2020 v2)

19 Roberto buys a toy for $5.00 .
He then sells it for $4.60 .

Calculate his percentage loss.

..... % [2]

Q7. (June 2020 v3)

18 Sonia wants to invest $5000 for 6 years.

Bank A pays compound interest at a rate of 3.5% per year.
Bank B increases the $5000 by 22% at the end of 6 years.

Which bank will give Sonia the most money at the end of 6 years and by how much?
You must show all your working.

Bank A

Bank B

Bank ..... will give $ ..... more money. [5]

Q8. (June 2021 v1)

18 Annie invests $8300 at a rate of 5.6% per year compound interest.

Calculate the value of her investment at the end of 6 years.

$ ..... [2]

Q9. (June 2022 v1)

19 Lin invests $16 000 at a rate of r% per year simple interest.
At the end of 5 years, she has a total amount of $17 920.

Find the value of r.

$r =$ ..... [3]

Q10. (June 2023 v3)

22 Vanessa invests $8500 at a rate of 3.5% per year compound interest.

Calculate the value of her investment at the end of 6 years.
Give your answer correct to the nearest dollar.

$ ..... [3]

Q11. (June 2024 v3)

16 The price of a game increases from \$48 to \$56.40 .

Calculate the percentage increase in the price.

..... % [2]

Q12. (June 2025 v3)

16 On Monday the cost of a concert ticket is \$$x$.
On Tuesday the cost of a ticket for the same concert is 20% more than the cost on Monday.

Jack buys 4 tickets on Monday and 5 tickets on Tuesday.
Jack pays \$270 in total.

Work out the value of x.

$x =$ ..... [3]

Q13. (Nov 2018 v1)

1 Work out 8% of 140.

..... [1]

Q14. (Nov 2018 v1)

18 Jan invests $800 at a rate of 3% per year simple interest.

Calculate the value of her investment at the end of 4 years.

$ ..... [3]

Q15. (Nov 2018 v2)

12 Samit invests $1800 at a rate of 4.5% per year simple interest.

Work out the value of his investment at the end of 4 years.

$ ..... [3]

Q16. (Nov 2018 v3)

3 Work out $1.45 as a percentage of $72.50.

..... % [1]

Q17. (Nov 2018 v3)

25 Jo invests \$5000 at a rate of 2% per year compound interest.

Calculate the value of her investment at the end of 3 years.

\$ ..... [3]

Q18. (Nov 2019 v1)

..... [1]

3 Work out 5% of \$25.

\$ ..... [1]

Q19. (Nov 2019 v1)

15 Paula invests \$600 at a rate of r% per year simple interest.
At the end of 10 years, the total interest earned is \$90.

Find the value of r.

$r =$ ..... [2]

Q20. (Nov 2019 v2)

18 Javier invests $750 for 3 years at a rate of 1.8% per year compound interest.

Calculate the value of his investment at the end of the 3 years.

$ ..... [3]

Q21. (Nov 2019 v3)

9 The price of a television is $560.
This price is reduced by 18% in a sale.

Work out the sale price.

$ ..... [2]

Q22. (Nov 2020 v1)

17 Trina invests $16 000 at a rate of 5% per year compound interest.

Work out the value of her investment at the end of 4 years.

$ ..... [2]

Q23. (Nov 2020 v2)

13 Increase 42 by 16%.

..... [2]

Q24. (Nov 2020 v3)

10 Ethan invests $6400 at a rate of 2.6% per year simple interest.

Calculate the total value of his investment at the end of 3 years.

$ ..... [3]

Q25. (Nov 2021 v1)

10 Chung invests $2460 at a rate of 3.5% per year simple interest.

Calculate the total amount of his investment at the end of 4 years.

$ ..... [3]

Q26. (Nov 2021 v3)

10 Write 26 g as a percentage of 208 g.

..... % [1]

Q27. (Nov 2021 v3)

18 Marek buys a computer for $420.
He sells it at a loss of 15%.

Calculate the selling price of this computer.

$ ..... [2]

Q28. (Nov 2022 v1)

12 The price of a computer is $520.
This price is reduced by 15% in a sale.

Work out the sale price.

$ ..... [2]

Q29. (Nov 2022 v3)

9 Nerina invests \$5400 at a rate of r% per year simple interest.
At the end of 3 years, the total interest earned is \$429.30 .

Calculate the value of r.

$r =$ ..... [2]

Q30. (Nov 2023 v1)

5 A watch costs \$12 400.
In a sale there is a discount of 16%.

Calculate the amount of the discount.

\$ ..... [1]

Q31. (Nov 2023 v1)

19 Indira invests \$6000 at a rate of r% per year simple interest.
At the end of 4 years the value of her investment is \$6840.

Find the value of r.

$r =$ ..... [3]

Q32. (Nov 2023 v2)

16 Filip invests \$4000 for 3 years at a rate of 2.5% per year simple interest.

Calculate the value of his investment at the end of the 3 years.

\$ ..... [3]

Q33. (Nov 2023 v3)

15 Shubhu invests \$750 in a savings account for 5 years.
The account pays simple interest at a rate of 1.8% per year.

Calculate the total interest she earns during the 5 years.

\$ ..... [2]

Q34. (Nov 2024 v1)

9 Edith invests $3000 in a savings account.
The account pays simple interest at a rate of 2.6% per year.

Calculate the total interest earned during the 3 years.

$ ..... [2]

Q35. (Nov 2024 v1)

14 Write 34 as a percentage of 80.

..... % [1]

Q36. (Nov 2024 v1)

20 Josh buys a car for $7800 and sells it for $5265.

Calculate his percentage loss.

..... % [2]

Q37. (Nov 2024 v2)

16 Dana invests $3600 at a rate of 3.8% per year compound interest.

Calculate the value of her investment at the end of 5 years.

$ ..... [2]

Q38. (Nov 2024 v3)

22 Mia invests $1270 for 5 years at a rate of 2.1% per year compound interest.

Calculate the value of her investment at the end of the 5 years.

$ ..... [2]

Q39. (Nov 2025 v3)

14 Victoria invests $2000 at a rate of 5% per year simple interest.

Calculate the value of her investment after 4 years.

$ ..... [3]