

2 Work out 10% of 250.

Non-Calc

..... [1]

2 Work out 15% of 600.

NC

..... [2]

4 Find 2% of \$400.

NC

\$ [1]

6 Each week Nisha is paid \$12 per hour for the first 40 hours that she works.
She is paid 30% more per hour for any extra hours that she works.
One week Nisha works for 45.5 hours.

Calculator

Calculate how much she is paid that week.

\$ [3]

5 Increase 42 by 16%.

Calc

..... [2]

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

NC

Work out the sale price.

\$ [2]

7 The price of a coat is \$126.
In a sale, this price is reduced by 18%.

Calc

Find the sale price of the coat.

\$ [2]

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

NC

Calculate the selling price of this computer.

\$ [2]

- 3 Write 32 cm as a fraction of 2 m.
Give your answer in its simplest form.

NC

..... [2]

- 1 Write 26 g as a percentage of 208 g.

Calc

..... % [1]

- (b) In 2021, Anil earns \$37 000.

Calc

- (i) He spends \$12 400 on bills in 2021.

Calculate the percentage of his earnings he spends on bills.

..... % [2]

- (ii) His earnings of \$37 000 increase by 3.2% in 2022.

Calc

Calculate his earnings in 2022.

\$ [2]

(ii) In a sale, all prices are reduced by 15%.

(a) Yasmin buys a blouse with an original price of \$40.

Calculate the sale price of the blouse.

\$ [2]

9 (a) Ahmed increases 40 by 300%.

From this list, put a ring around the correct calculation.

40×1.300

40×3

40×400

40×4

40×300

[1]

8 Hadi buys a dishwasher.

He can either pay a single payment of \$980 or he can pay using a monthly plan. The monthly plan is 20% of \$980 plus 12 payments of \$75.25 .

(a) Hadi uses the monthly plan.

Calculate the total amount Hadi pays.

\$ [2]

(b) Find the percentage increase in the cost using the monthly plan compared to a single payment.

.....% [2]

- 12 Roberto buys a toy for \$5.00 .
He then sells it for \$4.60 .

Calc

Calculate his percentage loss.

..... % [2]

- (c) In May, the company had sales of \$6 million.
In June, the company had sales of \$7.5 million.

NC

Find the percentage increase in sales from May to June.

..... % [3]

- (ii) For an afternoon flight, the cost of a Premium ticket is reduced from \$114 to \$96.90 .

Calc

Calculate the percentage reduction in the cost of a ticket.

..... % [2]

1 (a) In 2018, Gretal earned \$32 000.

Calc

(i) She paid tax of 24% on these earnings.

Work out the amount she paid in tax in 2018.

\$ [2]

(ii) In 2019, Gretal's earnings increased by 7%.

Work out her earnings in 2019.

\$ [2]

(ii) Write \$24.60 as a fraction of \$2870.
Give your answer in its lowest terms.

Calc

..... [2]

(iii) Write \$1.92 as a percentage of \$1.60 .

..... % [1]

(b) In a sale the original prices are reduced by 15%.

NC

(i) Calculate the sale price of a book that has an original price of \$12.

\$ [2]

- 6 Joseph spends $\frac{5}{24}$ of one week's earnings to buy a jacket.
The cost of the jacket is \$56.50 .

Calc

Calculate the amount Joseph earns in a week.

\$ [2]

- 6 At the end of the day, a shopkeeper has 12 tins of cat food left.
This is $\frac{3}{13}$ of the number he had at the beginning of the day.

Calc

Calculate the number of tins he had at the beginning of the day.

..... [2]

- (b) Lucy spends $\frac{3}{8}$ of the money she has saved this month on a book that costs \$5.25 .

Calc

Calculate how much money Lucy has saved this month.

\$ [2]

- (ii) In 2021, the value of the team's players was \$2.65 million.
In 2022 this value has decreased by 12%.

Calc

Find the value in 2022.

\$ million [2]

- (iii) The number of people at a football match is 1455.
This is 6.25% of the total number of people allowed in the stadium.

Calc

Find the total number of people allowed in the stadium.

..... [2]

(b) In a sale, a shop reduces all prices by 12%.

Calc

(i) Dina buys a book which has an original price of \$6.50 .

Calculate how much Dina pays for the book.

\$ [2]

(d) At the start of 2021 the value of a car was \$46 500.

At the end of 2021 the value of the car was 20% less.

At the end of 2022 the value of the car was 15% less than its value at the end of 2021.

Calc

Calculate the value of the car at the end of 2022.

\$ [2]

1 (a) The table shows the areas, in km², of the four largest rainforests in the world.

Calc

Rainforest	Area (km ²)
Amazon	5 500 000
Congo	2 000 000
Atlantic	1 315 000
Valdivian	250 000

(i) Find the area of the Valdivian rainforest as a percentage of the area of the Amazon rainforest.

..... % [1]

(iii) The Amazon rainforest has 60% of its area in Brazil and 10% of its area in Colombia. Calc
43 $\frac{1}{3}$ % of the **remaining area** of the rainforest is in Peru.

Find the percentage of the Amazon rainforest that is in Brazil, Colombia and Peru.

..... % [3]

- (c) In January 2020, the population of a town was 5% **more** than its population in January 2018. Calc
In January 2021, the population of this town was 2% **less** than its population in January 2020.

Calculate the overall percentage increase in the population from January 2018 to January 2021.

..... % [2]

- 18 F is proportional to the product of m and a . Calc

Calculate the percentage change in F when m is increased by 40% and a is decreased by 15%.

..... % [3]