

CTT**Question 1**

A box of chocolate cookies cost \$12.80 more than a box of strawberry cookies. A carton of vanilla cookies cost \$56.40 more than 2 boxes of chocolate cookies. A box of chocolate cookies, a box of strawberry cookies and a carton of vanilla cookies cost \$134. How much did a box of chocolate cookies cost?

Ans: _____

CTT**Question 2**

A and B had 5 kg of cookies. A ate 0.5 kg of cookies. A had 4 times as much cookies as B left. How much cookies did A have at first?

Ans: _____

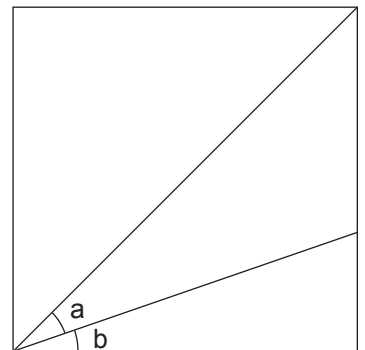
Question 3

A had 110 fewer cookies than B. C had twice as many cookies as A. A, B and C had 3182 cookies. How many cookies did A have?

Ans: _____

Question 4

$\angle a$ is 7° more than $\angle b$. Find $\angle b$.



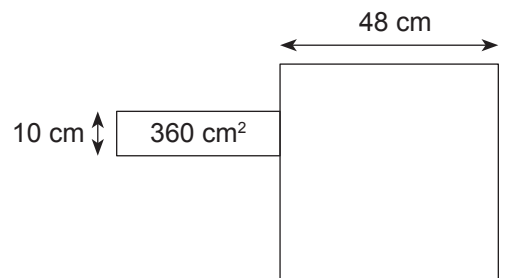
Question 5

A had 662 cookies. There were 164 chocolate cookies, 182 strawberry cookies and the rest were vanilla and plain cookies. There were 36 more vanilla cookies than plain cookies. How many plain cookies were there?

Ans: _____

Question 6

Find the perimeter of the figure.



Ans: _____

Question 7

A had a sum of money. If A was to buy 12 cookies, she would be short of \$9.10. If A was to buy 8 cookies, she would have \$2.50 left. How much money did A have?

Ans: _____

Question 8

A had 53 kg more cookies than B. If B gave 9.1 kg of cookies to A, A would have 5 times as much cookies as B. How much cookies did A have?

Ans: _____

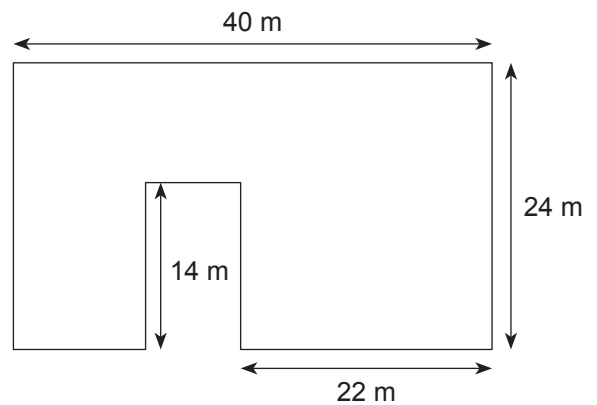
Question 9

A wanted to give 300 cookies to B so that they would have the same number of cookies. However, B gave 300 cookies to A instead. In the end, A had 6 times as many cookies as B. How many cookies did B have in the end?

Ans: _____

Question 10

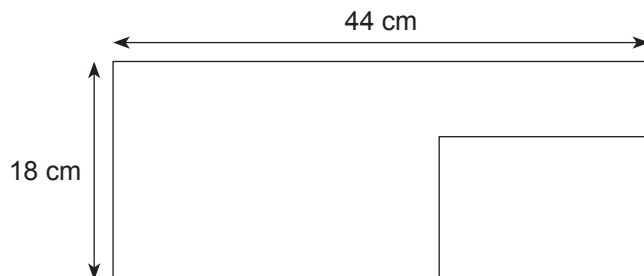
Find the perimeter of the figure.



Ans: _____

Question 11

Find the perimeter of the figure.



Ans: _____

Question 12

A wanted to buy 9 cookies, but was short of \$2.80. If A bought 7 cookies, she would have \$0.40 left. How much did a cookie cost?

Ans: _____

Question 13

A had twice as many cookies as B. After A sold 134 cookies and B sold 26 cookies, A and B had an equal number of cookies left. How many cookies did A have at first?

Ans: _____

Question 14

A and B had 450 cookies. B and C had 1245 cookies. C had 4 times as many cookies as A. How many cookies did B have?

Ans: _____

Question 15

A had 4628 cookies. A packed the cookies equally into 8 boxes. A packed the remaining cookies into the last box. How many cookies were there in the last box?

Ans: _____

Question 16

The perimeter of a rectangular cookie was 48 cm. The breadth of the cookie was $\frac{1}{2}$ the length of the cookie. What was the length of the rectangular cookie?

Ans: _____

Question 17

B had twice as many cookies as A. C had twice as many cookies as A and B. A, B and C had 10 800 cookies. How many cookies did C have?

Ans: _____

Question 18

A had thrice as many cookies as B. B had 120 fewer cookies than A. How many cookies did A and B have?

Ans: _____

Question 19

A box of chocolate cookies and 5 boxes of strawberry cookies cost \$52.20. A box of chocolate cookies cost 4 times as much as a box of strawberry cookies. How much did a box of strawberry cookies cost?

Ans: _____

Question 20

A chocolate cookie cost as much as 3 strawberry cookies. 1 chocolate cookie and 5 strawberry cookies cost \$4.80. How much did a strawberry cookie cost?

Ans: _____

Question 21

A, B, C and D had 1314 cookies. A had twice as many cookies as B, C and D. B, C and D had an equal number of cookies. How many cookies did B have?

Ans: _____

Question 22

A had some cookies. After A sold 104 cookies and bought 320 cookies, there were thrice as many cookies as before. How many cookies did A have at first?

Ans: _____

Question 23

A was thrice as old as B 5 years ago. A and B are 66 years old now. How old is B now?

Ans: _____

Question 24

There were 720 boxes of cookies. There were thrice as many boxes of strawberry cookies as boxes of chocolate cookies. Each box of chocolate cookies cost \$9 while each box of strawberry cookies cost \$7. How much did the boxes of cookies cost?

Ans: _____

Question 25 (MAS/WIR)

3 cookies cost \$4. How many cookies can A buy with \$18?

Ans: _____

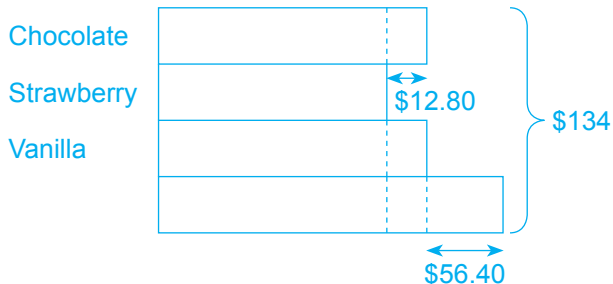
Question 26 (MAS/WIR)

Cookies are sold in packets of 3. Each cookie costs \$4. How much does A need to pay for 50 cookies?

Ans: _____

CTT

Question 1



$$\begin{aligned}
 4 \text{ units} &= \$134 - 3 \times \$12.80 - \$56.40 \\
 &= \$134 - \$38.40 - \$56.40 \\
 &= \$39.20
 \end{aligned}$$

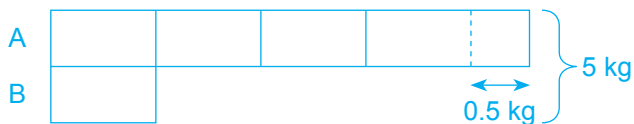
$$1 \text{ unit} = \$39.20 \div 4 = \$9.80$$

$$\text{Chocolate} \rightarrow \$9.80 + \$12.80 = \$22.60$$

Ans: \$22.60

CTT

Question 2



$$5 \text{ units} = 5 - 0.5 = 4.5 \text{ kg}$$

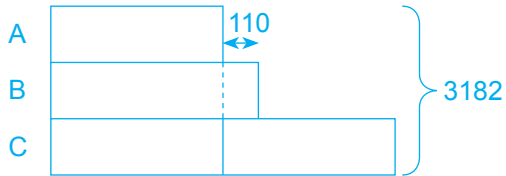
$$1 \text{ unit} = 4.5 \div 5 = 0.9 \text{ kg}$$

$$4 \text{ units} = 4 \times 0.9 = 3.6 \text{ kg}$$

$$\text{A (at first)} \rightarrow 3.6 + 0.5 = 4.1 \text{ kg}$$

Ans: 4.1 kg

Question 3



$$4 \text{ units} = 3182 - 110 = 3072$$

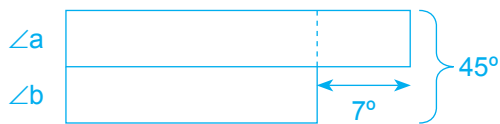
$$1 \text{ unit} = 3072 \div 4 = 768$$

A \rightarrow 768 cookies

Ans: 768 cookies

Question 4

$$\angle a + \angle b = 90^\circ \div 2 = 45^\circ \text{ (Diagonal of square)}$$



$$2 \text{ units} = 45^\circ - 7^\circ = 38^\circ$$

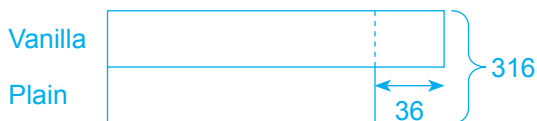
$$1 \text{ unit} = 38^\circ \div 2 = 19^\circ$$

$\angle b \rightarrow 19^\circ$

Ans: 19°

Question 5

Vanilla + Plain $\rightarrow 662 - 164 - 182 = 316$ cookies



2 units = $316 - 36 = 280$

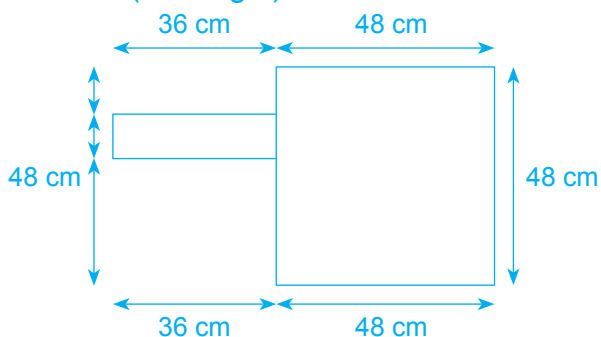
1 unit = $280 \div 2 = 140$

Plain $\rightarrow 140$ cookies

Ans: 140 plain cookies

Question 6

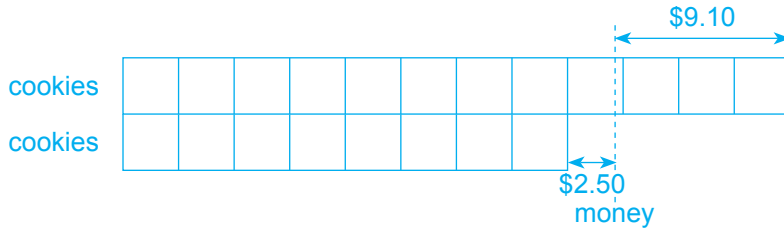
Breadth (rectangle) $\rightarrow 360 \div 10 = 36$ cm



Perimeter (figure) $\rightarrow 36 + 48 + 48 + 48 + 36 + 48$
 $= 264$ cm

Ans: 264 cm

Question 7



$$4 \text{ units} = \$2.50 + \$9.10 = \$11.60$$

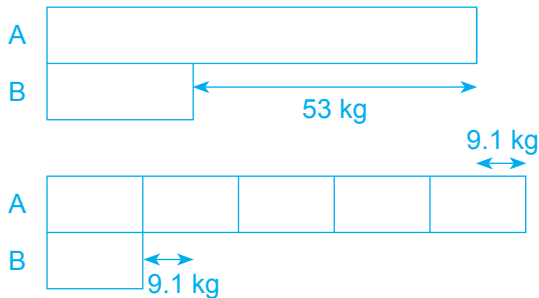
$$1 \text{ unit} = \$11.60 \div 4 = \$2.90$$

$$12 \text{ units} = 12 \times \$2.90 = \$34.80$$

$$\text{Money} \rightarrow \$34.80 - \$9.10 = \$25.70$$

Ans: \$25.70

Question 8



$$4 \text{ units} = 9.1 + 53 + 9.1 = 71.2 \text{ kg}$$

$$1 \text{ unit} = 71.2 \div 4 = 17.8 \text{ kg}$$

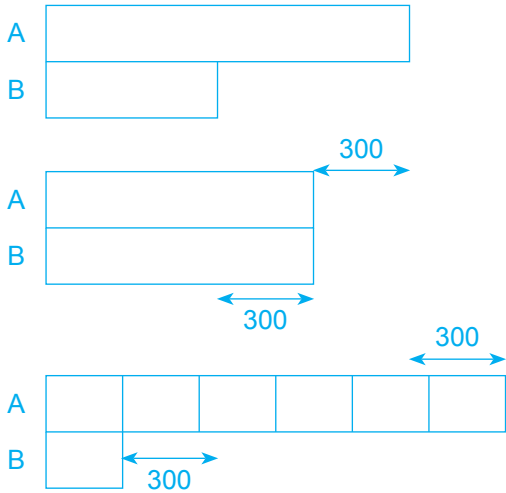
$$5 \text{ units} = 5 \times 17.8 = 89 \text{ kg}$$

$$\text{A (end)} \rightarrow 89 \text{ kg}$$

$$\text{A (at first)} \rightarrow 89 - 9.1 = 79.9 \text{ kg}$$

Ans: 79.9 kg

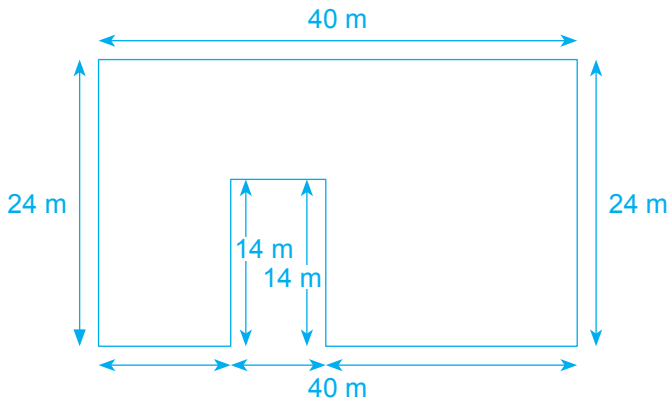
Question 9



5 units = $300 + 300 + 300 + 300 = 1200$
 1 unit = $1200 \div 5 = 240$
 B (end) → 240 cookies

Ans: 240 cookies

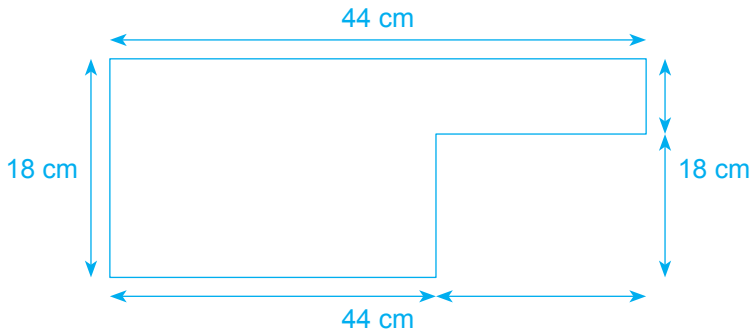
Question 10



Perimeter (figure) → $40 + 24 + 40 + 24 + 14 + 14 = 156$ m

Ans: 156 m

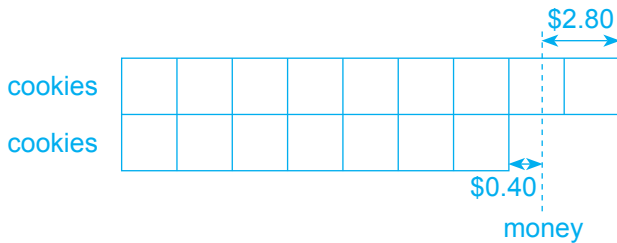
Question 11



Perimeter (figure) $\rightarrow 44 + 18 + 44 + 18 = 124$ cm

Ans: 124 cm

Question 12



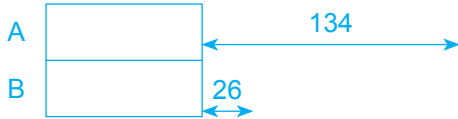
2 units = $\$0.40 + \$2.80 = \$3.20$

1 unit = $\$3.20 \div 2 = \1.60

Cookie $\rightarrow \$1.60$

Ans: \$1.60

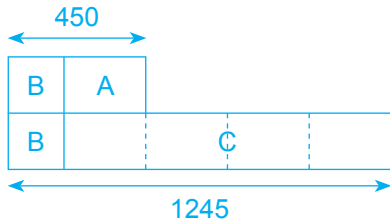
Question 13



1 unit = $134 - 26 = 108$
 2 units = $2 \times 108 = 216$
 A (at first) \rightarrow 216 cookies

Ans: 216 cookies

Question 14



3 units = $1245 - 450 = 795$
 1 unit = $795 \div 3 = 265$
 A \rightarrow 265 cookies
 B \rightarrow $450 - 265 = 185$ cookies

Ans: 185 cookies

Question 15

1 box $\rightarrow 4628 \div 8 = 578 \text{ R } 4$ cookies

Last box (at first) $\rightarrow 578$ cookies

Last box (end) $\rightarrow 578 + 4 = 582$ cookies

Ans: 582 cookies

Question 16

Breadth $\rightarrow 1$ unit

Length $\rightarrow 2$ units

Perimeter $\rightarrow 1 + 2 + 1 + 2 = 6$ units

$\rightarrow 48$ cm

6 units = 48 cm

1 unit = $48 \div 6 = 8$ cm

2 units = $2 \times 8 = 16$ cm

Length $\rightarrow 16$ cm

Ans: 16 cm

Question 17

B → 2 units

A → 1 unit

C → 6 units

Total → $1 + 2 + 6 = 9$ units

→ 10 800 cookies

9 units = 10 800 cookies

1 unit = $10\,800 \div 9 = 1200$ cookies

6 units = $6 \times 1200 = 7200$ cookies

C → 7200 cookies

Ans: 7200 cookies

Question 18

A → 3 units

B → 1 unit

Fewer → $3 - 1 = 2$ units

→ 120 cookies

2 units = 120 cookies

1 unit = $120 \div 2 = 60$ cookies

Total → $3 + 1 = 4$ units

→ $4 \times 60 = 240$ cookies

Ans: 240 cookies

Question 19

Chocolate → 4 units

Strawberry → 1 unit

$$1 \text{ chocolate} + 5 \text{ strawberry} \rightarrow 1 \times 4 + 5 \times 1 = 4 + 5 = 9 \text{ units}$$

$$\rightarrow \$52.20$$

$$9 \text{ units} = \$52.20$$

$$1 \text{ unit} = \$52.20 \div 9 = \$5.80$$

Strawberry → \$5.80

Ans: \$5.80

Question 20

Chocolate → 3 units

Strawberry → 1 unit

$$1 \text{ chocolate} + 5 \text{ strawberry} \rightarrow 1 \times 3 + 5 \times 1 = 3 + 5 = 8 \text{ units}$$

$$\rightarrow \$4.80$$

$$8 \text{ units} = \$4.80$$

$$1 \text{ unit} = \$4.80 \div 8 = \$0.60$$

Strawberry → \$0.60

Ans: \$0.60

Question 21

B → 1 unit

C → 1 unit

D → 1 unit

A → 6 units

Total → $6 + 1 + 1 + 1 = 9$ units

→ 1314 cookies

9 units = 1314 cookies

1 unit = $1314 \div 9 = 146$ cookies

B → 146 cookies

Ans: 146 cookies**Question 22**

A (end) → 3 units

A (at first) → 1 unit

A (more) → $3 - 1 = 2$ units→ $320 - 104 = 216$ cookies

2 units = 216 cookies

1 unit = $216 \div 2 = 108$ cookies

A (at first) → 108 cookies

Ans: 108 cookies

Question 23

A (5 years ago) \rightarrow 3 units

B (5 years ago) \rightarrow 1 unit

Total (5 years ago) $\rightarrow 3 + 1 = 4$ units

$\rightarrow 66 - 5 - 5 = 56$ years

4 units = 56 years

1 unit = $56 \div 4 = 14$ years

B (5 years ago) $\rightarrow 14$ years

B (now) $\rightarrow 14 + 5 = 19$ years

Ans: 19 years

Question 24

Strawberry \rightarrow 3 units

Chocolate \rightarrow 1 unit

Total $\rightarrow 3 + 1 = 4$ units

$\rightarrow 720$ boxes

4 units = 720 boxes

1 unit = $720 \div 4 = 180$ boxes

Chocolate $\rightarrow 180$ boxes

3 units = $3 \times 180 = 540$ boxes

Strawberry $\rightarrow 540$ boxes

Cost $\rightarrow 180 \times \$9 + 540 \times \7

= $\$1620 + \3780

= $\$5400$

Ans: \$5400

Question 25 (MAS/WIR)

1 set (3 cookies) → \$4

Number of sets → $\$18 \div \$4 = 4 \text{ R } \$2$

Cookies (sets) → $4 \times 3 = 12$ cookies

Buy → 12 cookies

Ans: 12 cookies

Question 26 (MAS/WIR)

1 set (3 \$4) → 3 cookies

Number of sets → $50 \div 3 = 16 \text{ R } 2$ cookies

Needed → $16 + 1 = 17$ packets

\$4 (sets) → $17 \times 3 = 51$ cookies

→ $51 \times \$4 = \204

Ans: \$204