CTT

Question 1

The total age of A and B 3 years ago was 86 years old. A is 14 years older than B. How old is B now?

Ans: _____

CTT

Question 2

A chocolate cookie was 4 g heavier than a strawberry cookie. The mass of 1 chocolate cookie and 3 strawberry cookies was 68 g. What was the mass of a strawberry cookie?

Ans: _____

CTT

Question 3

The difference between 2 numbers is 68. If the sum of the 2 numbers is 376, what is the smaller number?

Ans: _____

CTT

Question 4

A and B share a box of 84 cookies such that A had 8 more cookies than B. How many cookies did A have?

Ans: _____

CTT

Question 5

2 boxes of chocolate cookies and 1 box of strawberry cookies contain 286 cookies. A box of chocolate cookies contains 34 fewer cookies than a box of strawberry cookies. How many cookies are there in a box of strawberry cookies?

Ans: _____

CTT

Question 6

A, B and C had 708 cookies. A had 44 more cookies than B. C had twice as many cookies as B. How many cookies did A have?

Ans: _____

CTT

Question 7

A had thrice as many cookies as B. C had 50 more cookies than B. A, B and C had 690 cookies. How many cookies did A have?

Ans: _____

CTT

Question 8

4 Cookie A and 5 Cookie B weigh 572 g. A Cookie B weighs 46 g more than a Cookie A. How much does a Cookie B weigh?

Ans: _____

CTT

Question 9

A and B had 1840 cookies. B had 272 fewer cookies than A. How many cookies did A have?

Ans: _____

CTT

Question 10

A had 60 more cookies than B. C had 40 more cookies than A. A, B and C had 460 cookies. How many cookies did C have?

Ans: _____

CTT

Question 11

7 cookies cost $6. How many cookies can be bought with $36?

Ans: _____

QTA

Question 12

A had 2876 fewer cookies than B. After B bought 748 cookies, she had thrice as many cookies as A. How many cookies did A have?

Ans: _____

QTA

Question 13

A had 960 more chocolate cookies than strawberry cookies. A had 1720 fewer strawberry cookies than vanilla cookies. A sold 460 vanilla cookies. How many more vanilla cookies than chocolate cookies did A have in the end?

Ans: _____

QTA

Question 14

A and B had an equal number of cookies. A bought 600 cookies and B sold 504 cookies. In the end, A had 5 times as many cookies as B. How many cookies did B have in the end?

Ans: _____

QTA

Question 15

A had 6 times as many cookies as B. B had 12 more cookies than C. C and D had the same number of cookies as A. D had 127 cookies. How many cookies did B have?

Ans: _____

QTA

Question 16

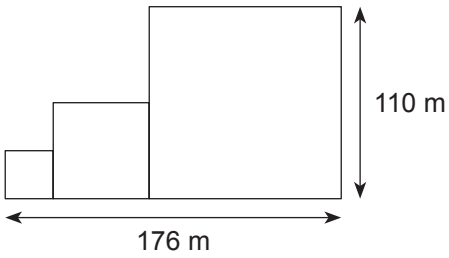
A and B had an equal number of cookies. A sold 320 cookies and B sold 116 cookies. In the end, B had thrice as many cookies as A. How many cookies did A have in the end?

Ans: _____

QTA

Question 17

Find the perimeter of the figure.

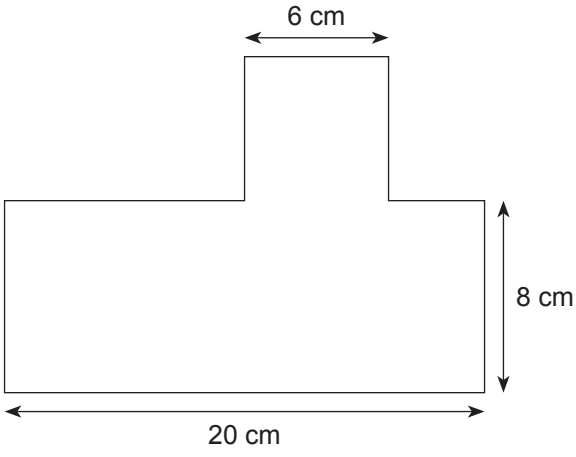


Ans: _____

QTA

Question 18

Find the perimeter of the figure.



Ans: _____

WIR

Question 19

A has more than 20 cookies. If A puts 4 cookies into each box, she will have 1 cookie left. If A puts 5 cookies into each box, she will have 2 cookies left. What is the least number of cookies that A has?

Ans: _____

WIR

Question 20

A has some cookies. If A puts 6 cookies into each box, she will have 4 cookies left. If A puts 7 cookies into each box, she will be short of 3 cookies. How many cookies does A have?

Ans: _____

WIU

Question 21

A had 6 times as many cookies as B. After A sold $\frac{1}{2}$ of her cookies, she had 48 more cookies than B. How many cookies did B have?

Ans: _____

WIU

Question 22

2 boxes of chocolate cookies and a box of strawberry cookies cost $12.60. A box of chocolate cookies cost thrice as much as a box of strawberry cookies. What was the cost of a box of chocolate cookies?

Ans: _____

Question 23

A and B are 60 years old. Four years ago, B was thrice as old as A. How old is A now?

Ans: _____

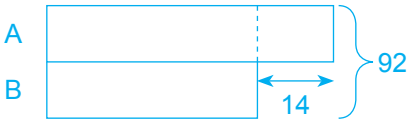
Solutions to

Review 2

CTT

Question 1

Total (3 years ago) → 86 years
Total (now) → 86 + 3 + 3 = 92 years

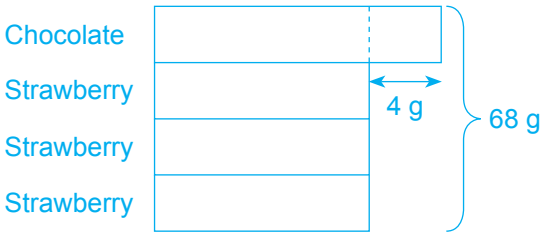


2 units = 92 – 14 = 78
1 unit = 78 ÷ 2 = 39
B (now) → 39 years

Ans: 39 years

CTT

Question 2

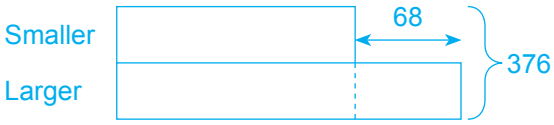


4 units = 68 – 4 = 64 g
1 unit = 64 ÷ 4 = 16 g
Strawberry → 16 g

Ans: 16 g

CTT

Question 3

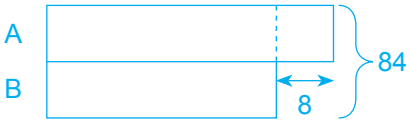


2 units = 376 – 68 = 308
1 unit = 308 ÷ 2 = 154
Smaller → 154

Ans: 154

CTT

Question 4

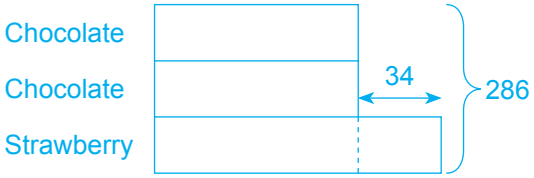


2 units = 84 – 8 = 76
1 unit = 76 ÷ 2 = 38
A → 38 + 8 = 46 cookies

Ans: 46 cookies

CTT

Question 5



3 units = 286 – 34 = 252

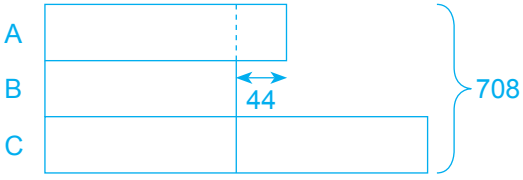
1 unit = 252 ÷ 3 = 84

Strawberry → 84 + 34 = 118 cookies

Ans: 118 cookies

CTT

Question 6



4 units = 708 – 44 = 664

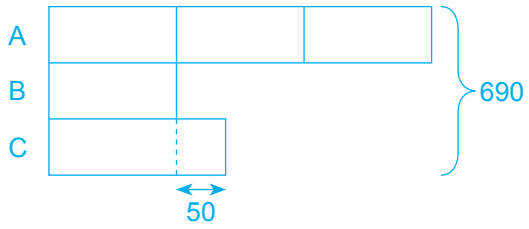
1 unit = 664 ÷ 4 = 166

A → 166 + 44 = 210 cookies

Ans: 210 cookies

CTT

Question 7

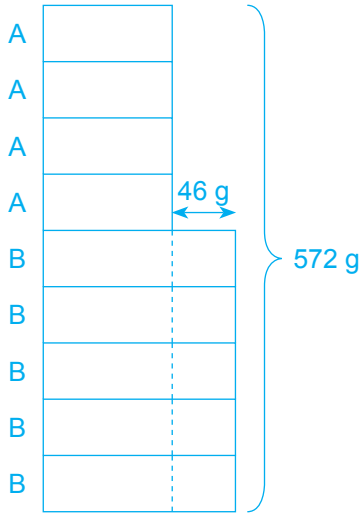


5 units = 690 – 50 = 640
1 unit = 640 ÷ 5 = 128
3 units = 3 × 128 = 384
A → 384 cookies

Ans: 384 cookies

CTT

Question 8

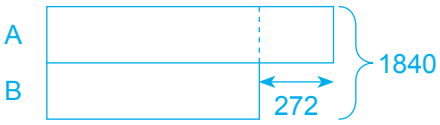


9 units = 572 – 5 × 46
= 572 – 230
= 342 g
1 unit = 342 ÷ 9
= 38 g
B → 38 + 46 = 84 g

Ans: 84 g

CTT

Question 9

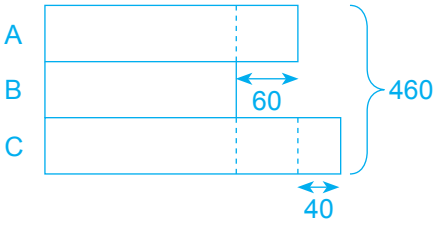


2 units = 1840 – 272 = 1568
1 unit = 1568 ÷ 2 = 784
A → 784 + 272 = 1056 cookies

Ans: 1056 cookies

CTT

Question 10



3 units = 460 – 60 – 60 – 40 = 300
1 unit = 300 ÷ 3 = 100
C → 100 + 60 + 40 = 200 cookies

Ans: 200 cookies

CTT

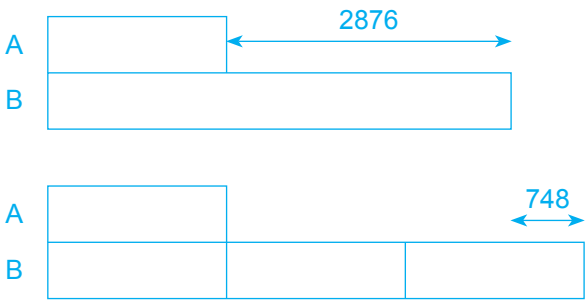
Question 11

1 set (7 cookies) → $6
Number of sets → $36 ÷ $6 = 6
Bought (sets) → 6 × 7 = 42 cookies

Ans: 42 cookies

QTA

Question 12

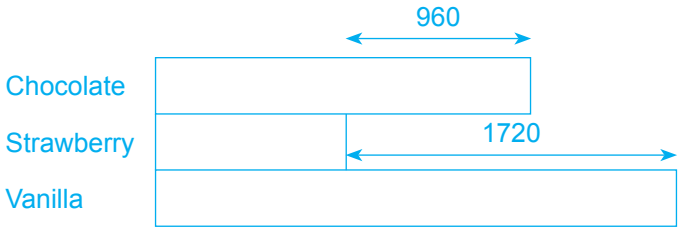


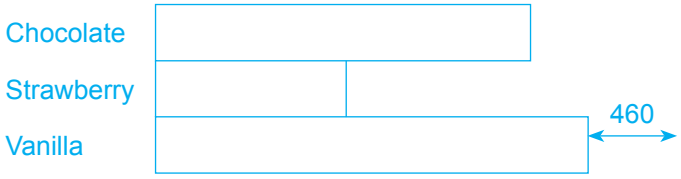
2 units = 2876 + 748 = 3624
1 unit = 3624 ÷ 2 = 1812
A → 1812 cookies

Ans: 1812 cookies

QTA

Question 13



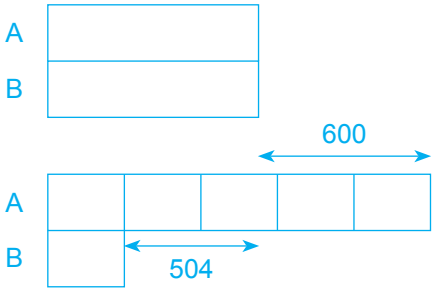


More (vanilla than chocolate end) → 1720 – 960 – 460 = 300 cookies

Ans: 300 more vanilla cookies

QTA

Question 14

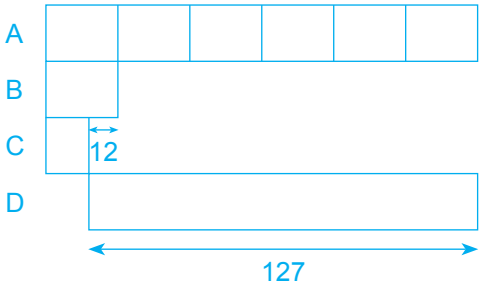


4 units = 504 + 600 = 1104
1 unit = 1104 ÷ 4 = 276
B (end) → 276 cookies

Ans: 276 cookies

QTA

Question 15

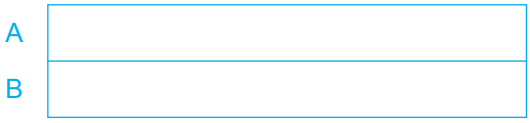


5 units = 127 – 12 = 115
1 unit = 115 ÷ 5 = 23
B → 23 cookies

Ans: 23 cookies

QTA

Question 16

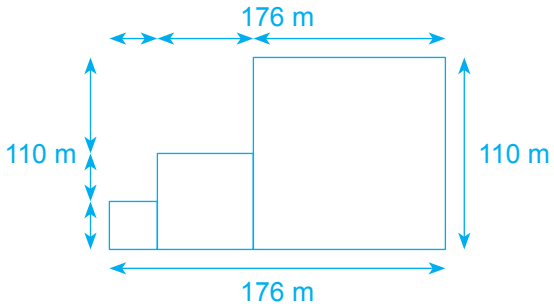


2 units = 320 – 116 = 204
1 unit = 204 ÷ 2 = 102
A (end) → 102 cookies

Ans: 102 cookies

QTA

Question 17

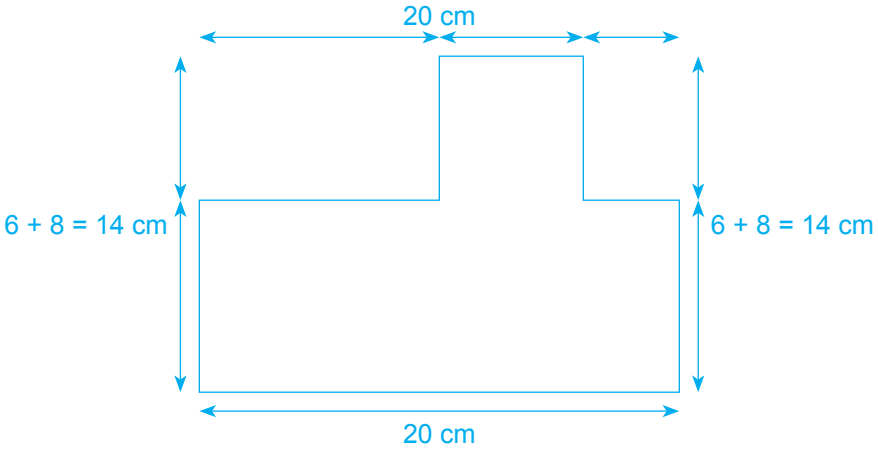


Perimeter → 176 + 110 + 176 + 110 = 572 m

Ans: 572 m

QTA

Question 18



Perimeter → 20 + 14 + 20 + 14 = 68 cm

Ans: 68 cm

WIR

Question 19

	Boxes								
	1	2	3	4	5	6	7	8	9
4 each	1 × 4 = 4	2 × 4 = 8	3 × 4 = 12	4 × 4 = 16	5 × 4 = 20	6 × 4 = 24	7 × 4 = 28	8 × 4 = 32	9 × 4 = 36
1 left (+ 1)	4 + 1 = 5	8 + 1 = 9	12 + 1 = 13	16 + 1 = (17)	20 + 1 = 21	24 + 1 = 25	28 + 1 = 29	32 + 1 = 33	36 + 1 = (37)
5 each	1 × 5 = 5	2 × 5 = 10	3 × 5 = 15	4 × 5 = 20	5 × 5 = 25	6 × 5 = 30	7 × 5 = 35		
2 left (+ 2)	5 + 2 = 7	10 + 2 = 12	15 + 2 = (17)	20 + 2 = 22	25 + 2 = 27	30 + 2 = 32	35 + 2 = (37)		

Cookies → 17, 37, ...
Least (more than 20) → 37 cookies

Ans: 37 cookies

WIR

Question 20

	Boxes						
	1	2	3	4	5	6	7
6 each	1 × 6 = 6	2 × 6 = 12	3 × 6 = 18	4 × 6 = 24	5 × 6 = 30	6 × 6 = 36	7 × 6 = 42
4 left (+ 4)	6 + 4 = 10	12 + 4 = 16	18 + 4 = 22	24 + 4 = 28	30 + 4 = 34	36 + 4 = 40	42 + 4 = (46)
7 each	1 × 7 = 7	2 × 7 = 14	3 × 7 = 21	4 × 7 = 28	5 × 7 = 35	6 × 7 = 42	7 × 7 = 49
3 short (– 3)	7 – 3 = 4	14 – 3 = 11	21 – 3 = 18	28 – 3 = 25	35 – 2 = 32	42 – 3 = 39	49 – 3 = (46)

A → 46 cookies

Ans: 46 cookies

WIU

Question 21

A → 6 units

B → 1 unit

A (sold) → $\frac{1}{2}$ × 6 = 3 units

A (end) → 6 – 3 = 3 units

More (end) → 3 – 1 = 2 units

→ 48 cookies

2 units = 48 cookies

1 unit = 48 ÷ 2 = 24 cookies

B → 24 cookies

Ans: 24 cookies

WIU

Question 22

Chocolate → 3 units

Strawberry → 1 unit

2 chocolate + 1 strawberry → 2 × 3 + 1 × 1 = 6 + 1 = 7 units

= $12.60

7 units = $12.60

1 unit = $12.60 ÷ 7 = $1.80

3 units = 3 × $1.80 = $5.40

Chocolate → $5.40

Ans: $5.40

Question 23

B (4 years ago) → 3 units
A (4 years ago) → 1 unit
Total (now) → 60 years
Total (4 years ago) → 60 – 4 – 4 = 52 years
→ 3 + 1 = 4 units
4 units = 52 years
1 unit = 52 ÷ 4 = 13 years
A (4 years ago) → 13 years
A (now) → 13 + 4 = 17 years

Ans: 17 years