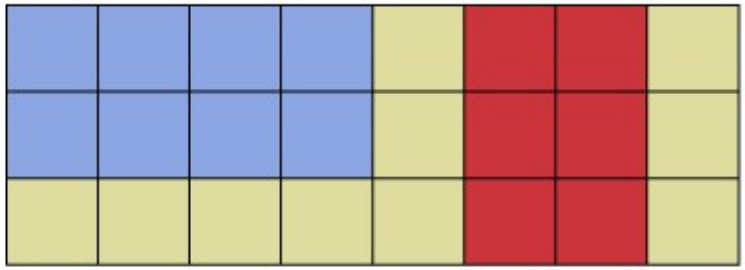
The rectangle is made up of identical squares.



What fraction of the rectangle is red?

- $\frac{1}{4}$
- $\frac{3}{8}$
- $\frac{1}{3}$
- $\frac{3}{10}$

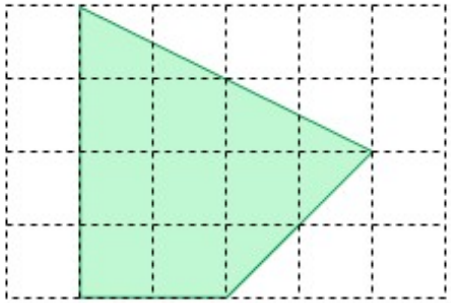
The area of the rectangle is 40 cm^2.

Both the length and breadth are to be halved.

What will be the area of the smaller rectangle?

- 5 cm^2
- 10 cm^2
- 20 cm^2
- 25 cm^2

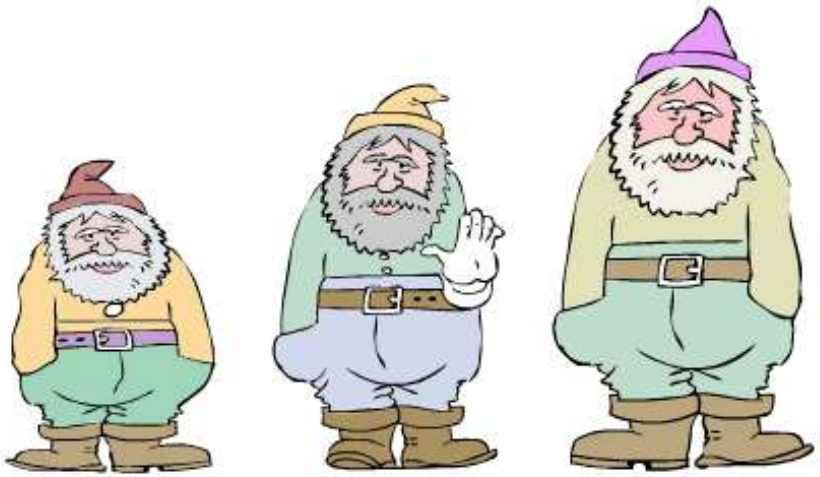
A grid contains small squares with lengths 1 cm.



What is the closest estimate of the area of the shape?

- 7 cm^2
- 8 cm^2
- 10 cm^2
- 13 cm^2

Brian has three garden gnomes.



Edward Cedric Cyril

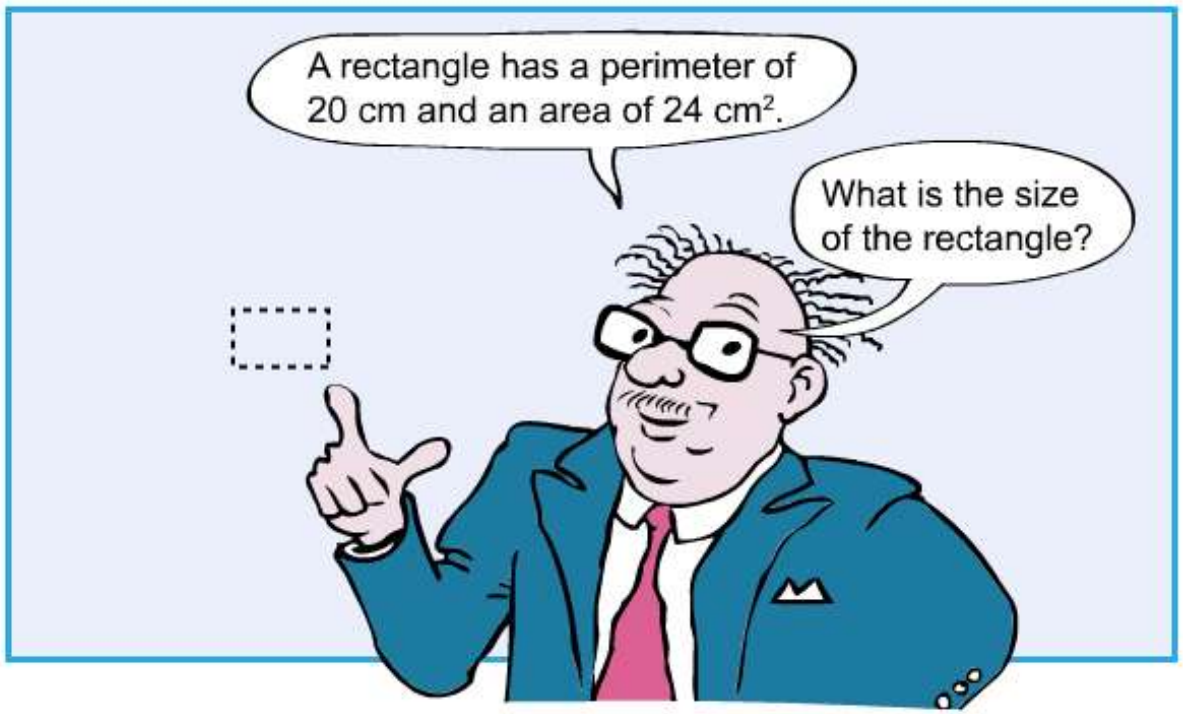
He has named the gnomes Cyril, Cedric and Edward.

Cyril is taller than Cedric by the same amount as Cedric is taller than Edward.

Cyril is 0.83 m tall and Cedric is 0.69 m tall.

How tall is Edward?

- 0.45 m
- 0.55 m
- 0.57 m
- 0.61 m

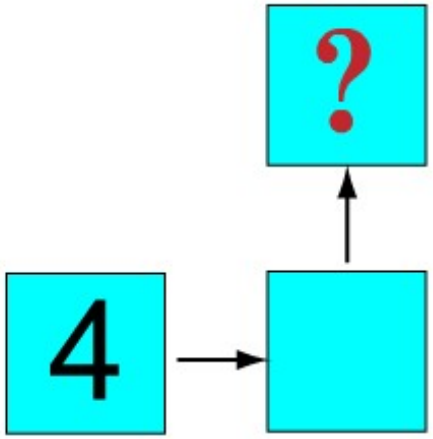


- 2 cm by 12 cm
- 3 cm by 8 cm
- 4 cm by 6 cm
- 5 cm by 5 cm

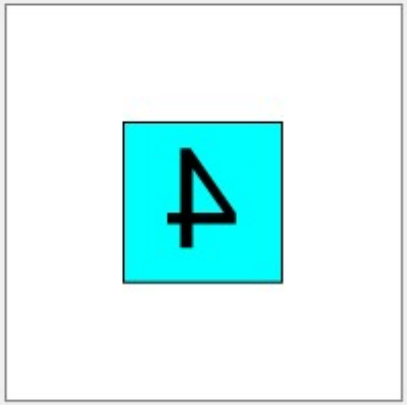
Aydin writes the number 4 on a square piece of paper.

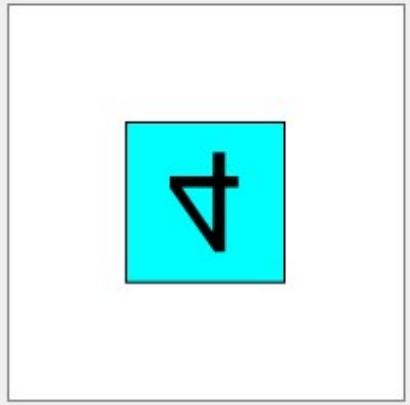
He flips the paper over its right side edge so that the blank side of the paper faces him.

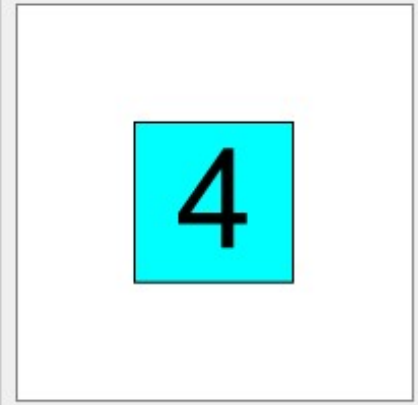
He then flips it over its top side edge so that the side of the paper with the 4 faces him.

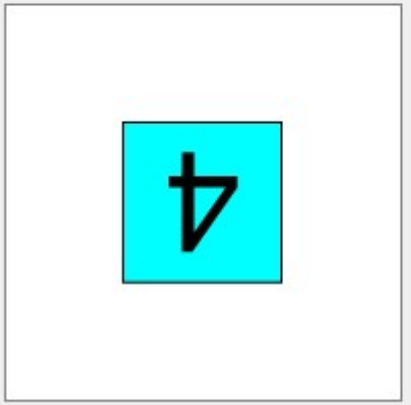


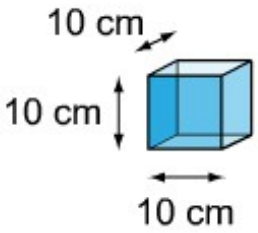
Which of the following does Aydin see?





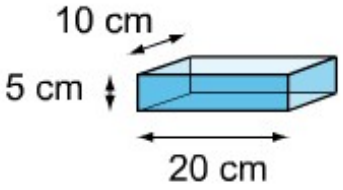




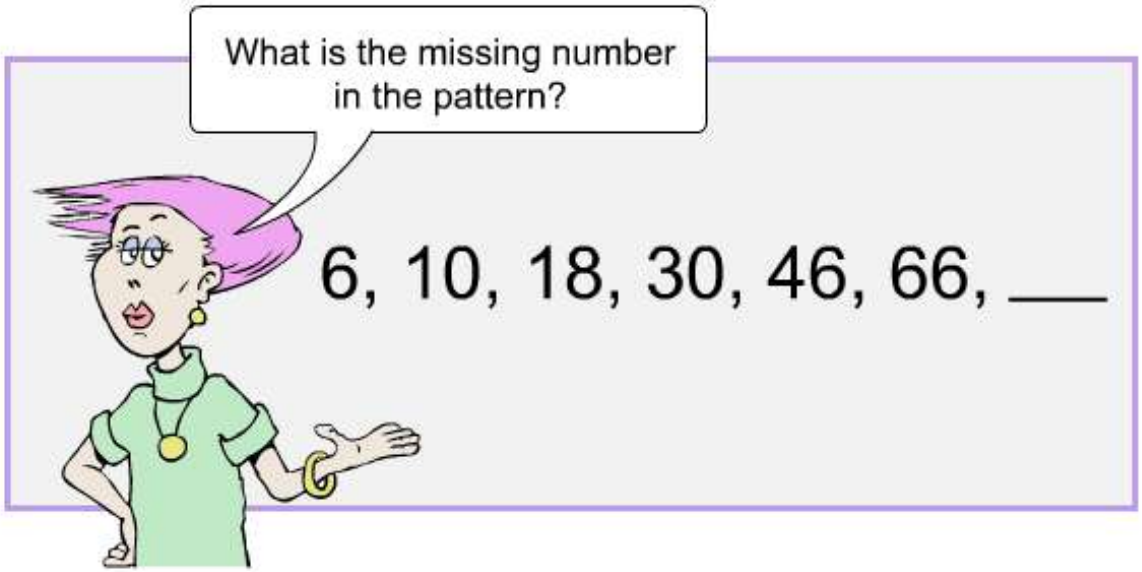


The container above holds 1 litre of water.

How much water will the container below hold?



- 500 mL
- 1 L
- 2 L
- 2.5 L



- 86
- 88
- 90
- 96

Hamish has two lengths of timber that are identical.

He saws the first length into three pieces in 1 minute.

At this rate how long would it take him to saw the second length into six pieces?

- 2 min
- 2 min 30 s
- 3 min
- 3 min 20 s

Leila purchased four bags of fertiliser for her garden, each with a mass less than half a kilogram.

One bag had a mass of 240 g and a second bag had a mass of 370 g.

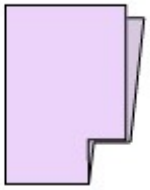
A third bag had a mass of 420 g and the fourth bag was the heaviest of the bags.

Which of the following could represent the total mass of the four bags of fertiliser?

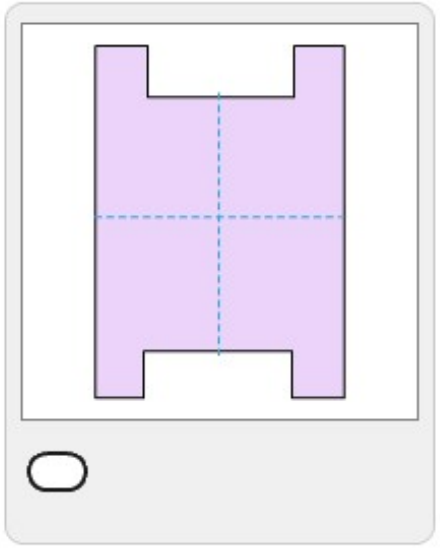
- ⬭ 1430 g
- ⬭ 1510 g
- ⬭ 1620 g
- ⬭ 1710 g

Rebeckah folded a sheet of paper in half and then folded it in half again.

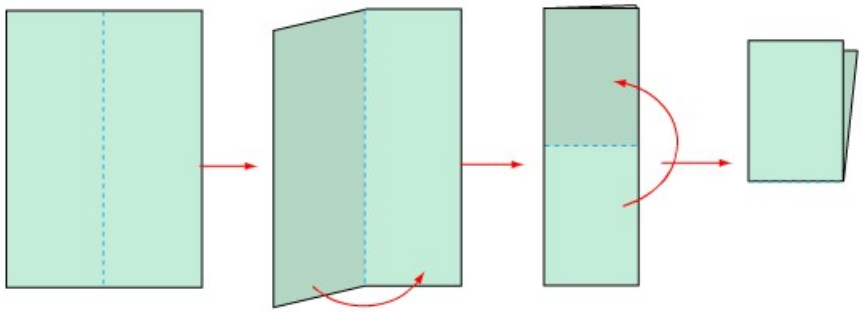
From the **bottom right corner** she cut out a square.



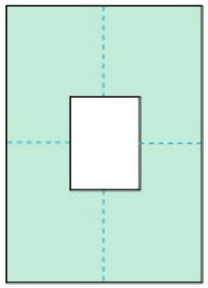
What did Rebeckah's paper look like when she unfolded it?

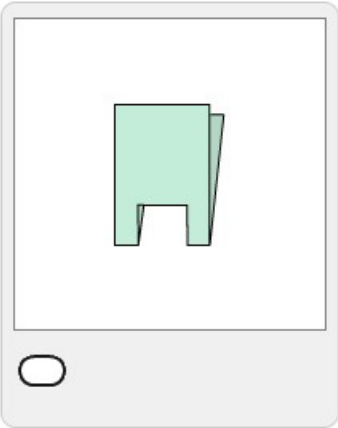


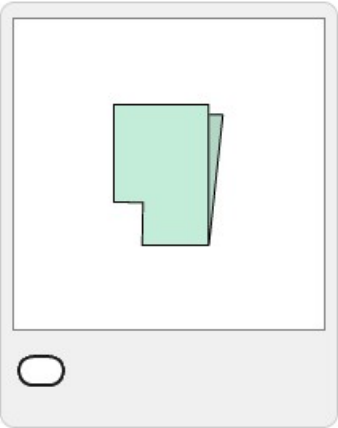
Dinh folded a sheet of paper in half and then folded it in half again.

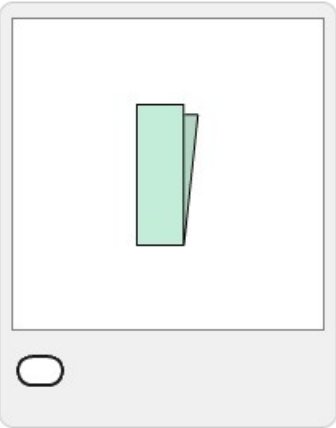


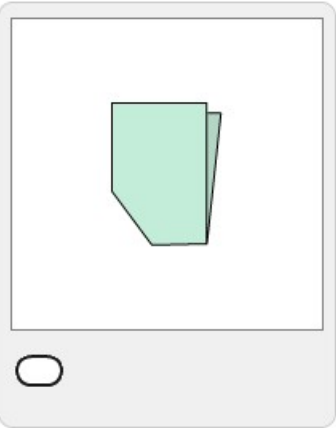
What cut(s) of the folded page would have produced the shape shown below when unfolded?











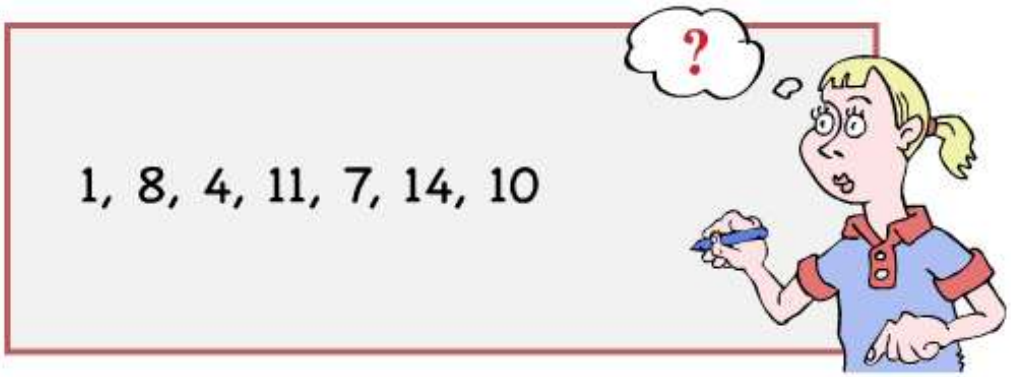
Four friends had a meal at a restaurant.

The cost of the meal for each person was: Jordie $28; Lyndy $24; Chris $32 and Linda $26.

Jordie paid the entire bill using two of these discount vouchers:

What is the lowest total that Jordie could pay for the four meals?

- $84
- $85
- $102
- $110



Erin wrote out the first seven numbers in a pattern: 1, 8, 4, 11, 7, 14, 10

What is the tenth number in the pattern?

- 13
- 16
- 17
- 20

Brett drew up a Weekly Fitness Program to show the times he spends in different activities.

Activity	Minutes in session	Number of sessions
Soccer training	60	2
Soccer game	80	1
Walking the dog	30	3
Bike riding	12	10

At which activity does Brett spend the least time per week?

- Soccer training
- Soccer game
- Walking the dog
- Bike riding

Brett drew up a Weekly Fitness Program to show the times he spends in different activities.

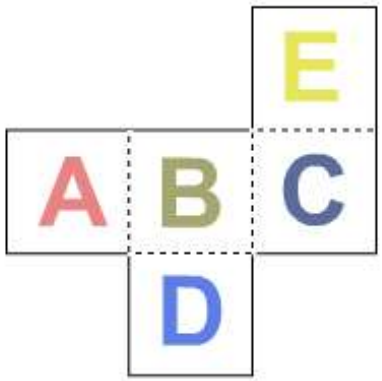
Activity	Minutes in session	Number of sessions
Soccer training	60	2
Soccer game	80	1
Walking the dog	30	3
Bike riding	12	10

What is the total time that Brett spends on the activities in the program each week?

- 4 h
- 6 h 30 min
- 6 h 40 min
- 6 h 50 min

A piece of paper is cut out into a series of joined squares as shown in the diagram below.

A different letter is printed on each square.

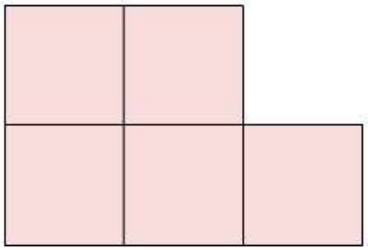


It is then folded along the dotted lines to form an open box and placed on a table with the open face up.

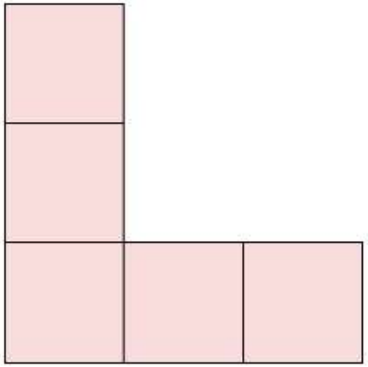
What is the letter on the bottom of the box?

- A
- B
- C
- D

A shape is made up of five squares joined together.



The shape is altered by changing the position of one of the squares.



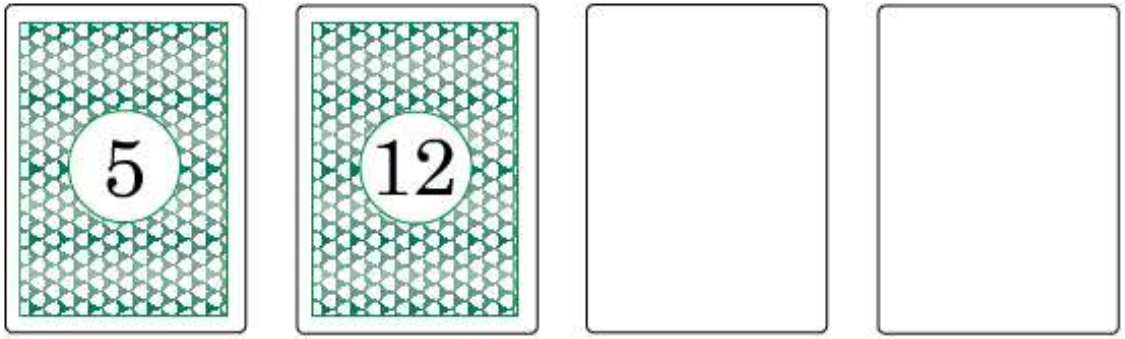
Which of these statements is correct?

- The perimeter is unchanged.
- The perimeter has increased by $\frac{1}{5}$.
- The perimeter has increased by $\frac{1}{4}$.
- The perimeter has increased by $\frac{2}{5}$.

Four numbers are written on cards.

The average of the four numbers is 6.

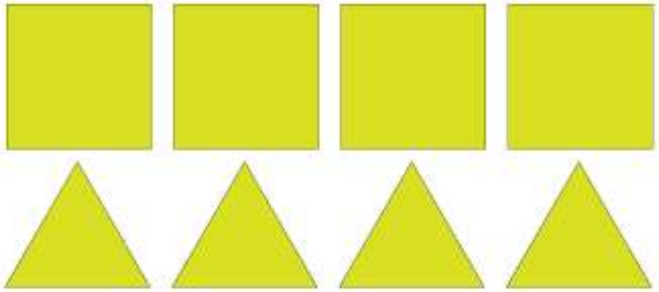
Two of the cards are turned over so that the numbers cannot be seen.



Which numbers could be written on the unknown cards?

- 3 and 5
- 2 and 7
- 6 and 8
- 4 and 3

Meg has four squares and four equilateral triangles. All of the edges of the squares and triangles are the same length.



Which one of the following figures could she **not** make with some or all of the shapes?

- A prism with a triangular base
- A prism with a square base
- A pyramid with a triangular base
- A pyramid with a square base