

## SECTION 1

1. Write the **value** of the underlined digit in the place value chart.

Hundreds of Thousand	Tens of Thousand	Thousand	Hundred	Tens	Ones
6	<u>3</u>	8	1	9	7

Answer \_\_\_\_\_

2. What is the largest **prime** number in the box below?

41	75	49
87	67	23

Answer \_\_\_\_\_

3. Write  $\frac{39}{5}$  as a mixed number.

Answer \_\_\_\_\_



4.  $36.48 \div 6 =$

Answer \_\_\_\_\_

5. Write the missing numeral to make the number statement correct.

$$(14 \times 10) + (14 \times 7) = 14 \times \square$$

Answer \_\_\_\_\_

6.  $\sqrt{121} + 9^2 =$

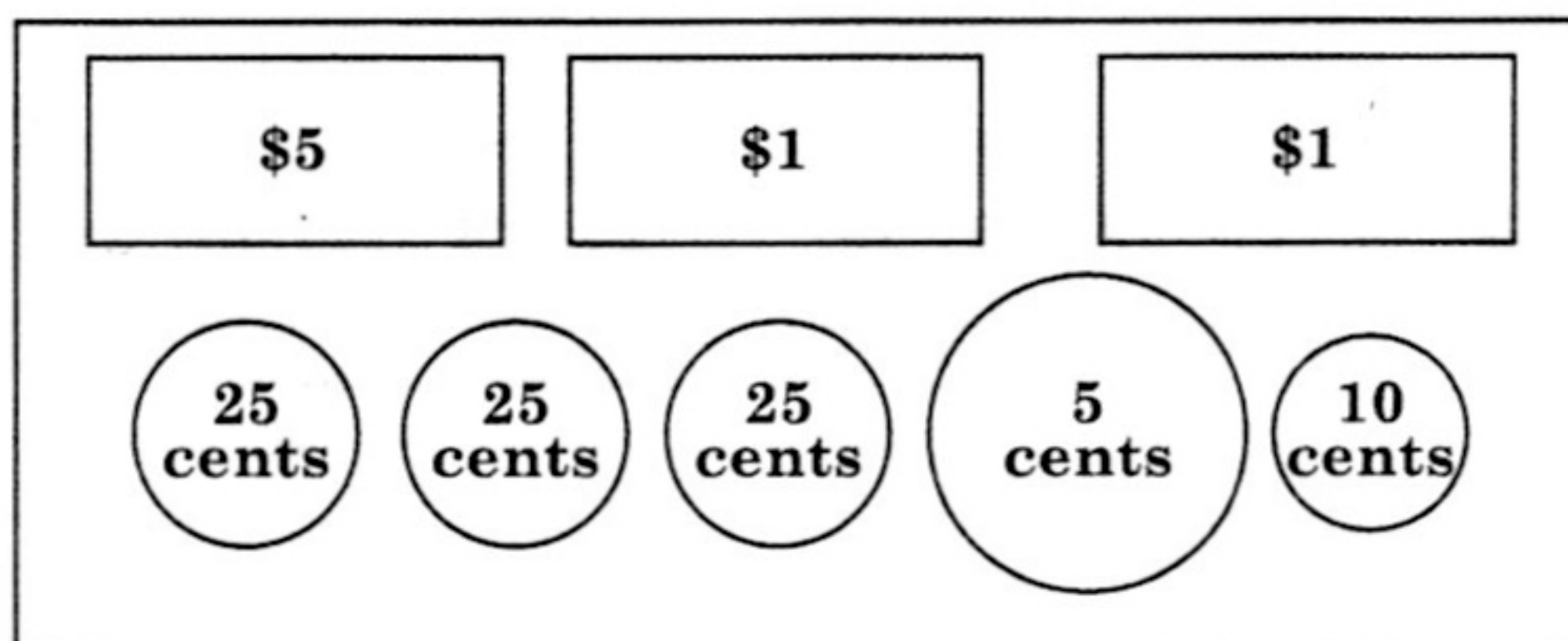
Answer \_\_\_\_\_

7.  $5 - \frac{3}{4} =$

Answer \_\_\_\_\_



8. Write the total value of the bills and coins.



Answer \$ \_\_\_\_\_

9.  $312 \times 15 =$

Answer \_\_\_\_\_

10. Write the missing numbers in the boxes below.

$$\begin{array}{r}
 43\boxed{\phantom{0}} \\
 + 9\boxed{\phantom{0}}7 \\
 \hline
 1345
 \end{array}$$

DO NOT WRITE HERE

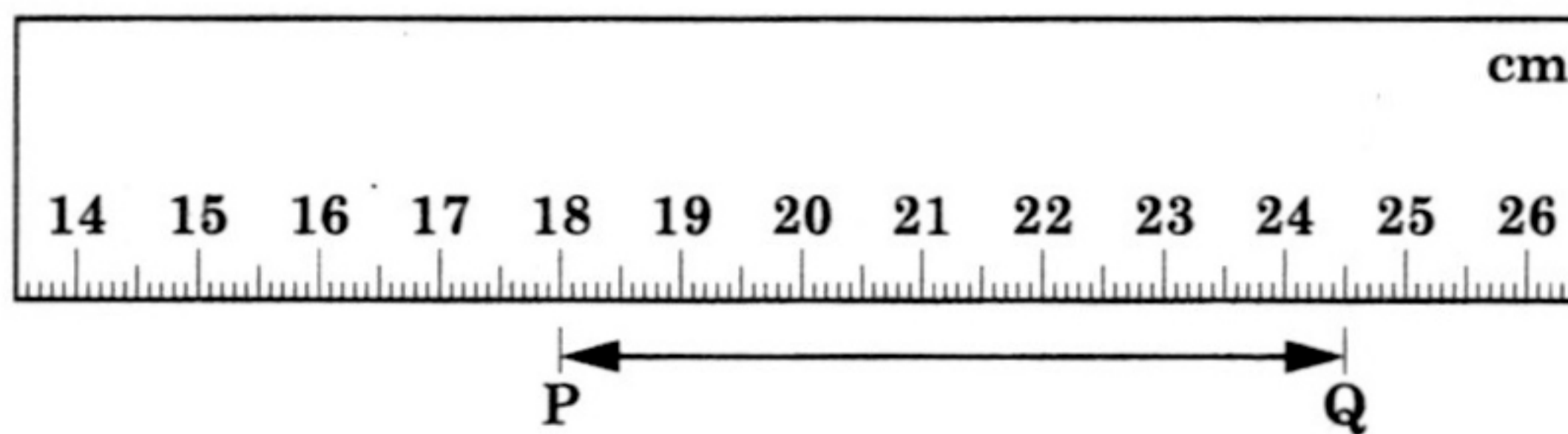
K (9)

A (1)

R (0)

TOTAL (10)

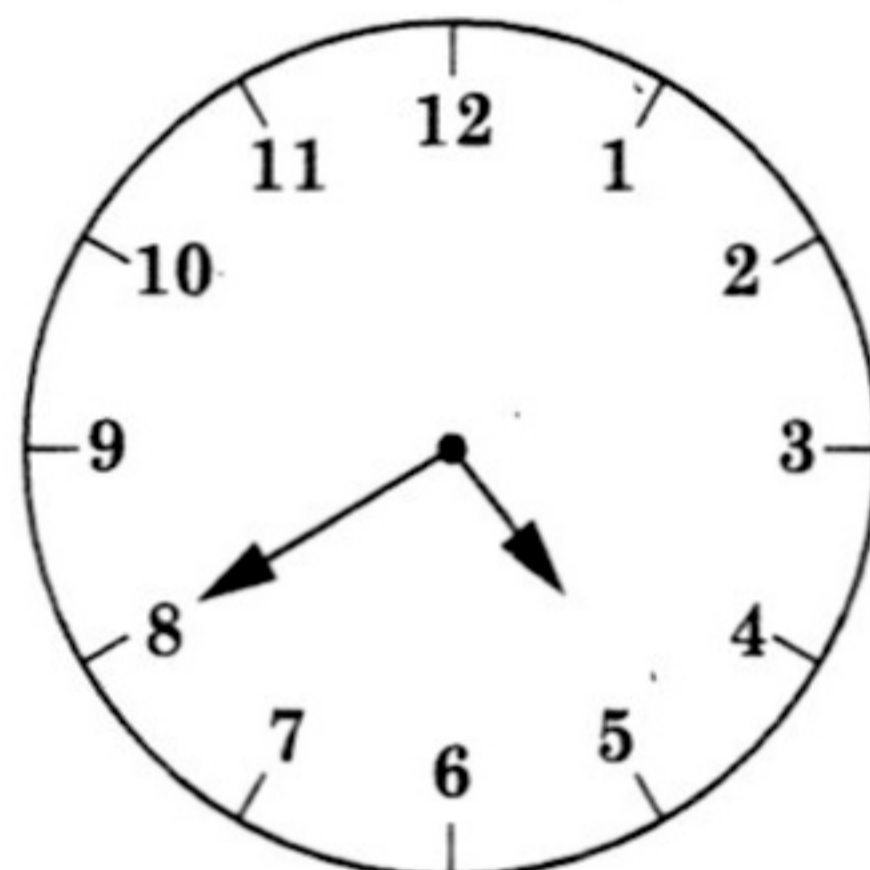
11. What is the distance, in centimetres, between Point P and Point Q?



Answer \_\_\_\_\_ cm

12. Read the time shown on the analog clock. Write this time on the digital clock.

Analog clock



Digital clock

\_\_\_\_\_ : \_\_\_\_\_

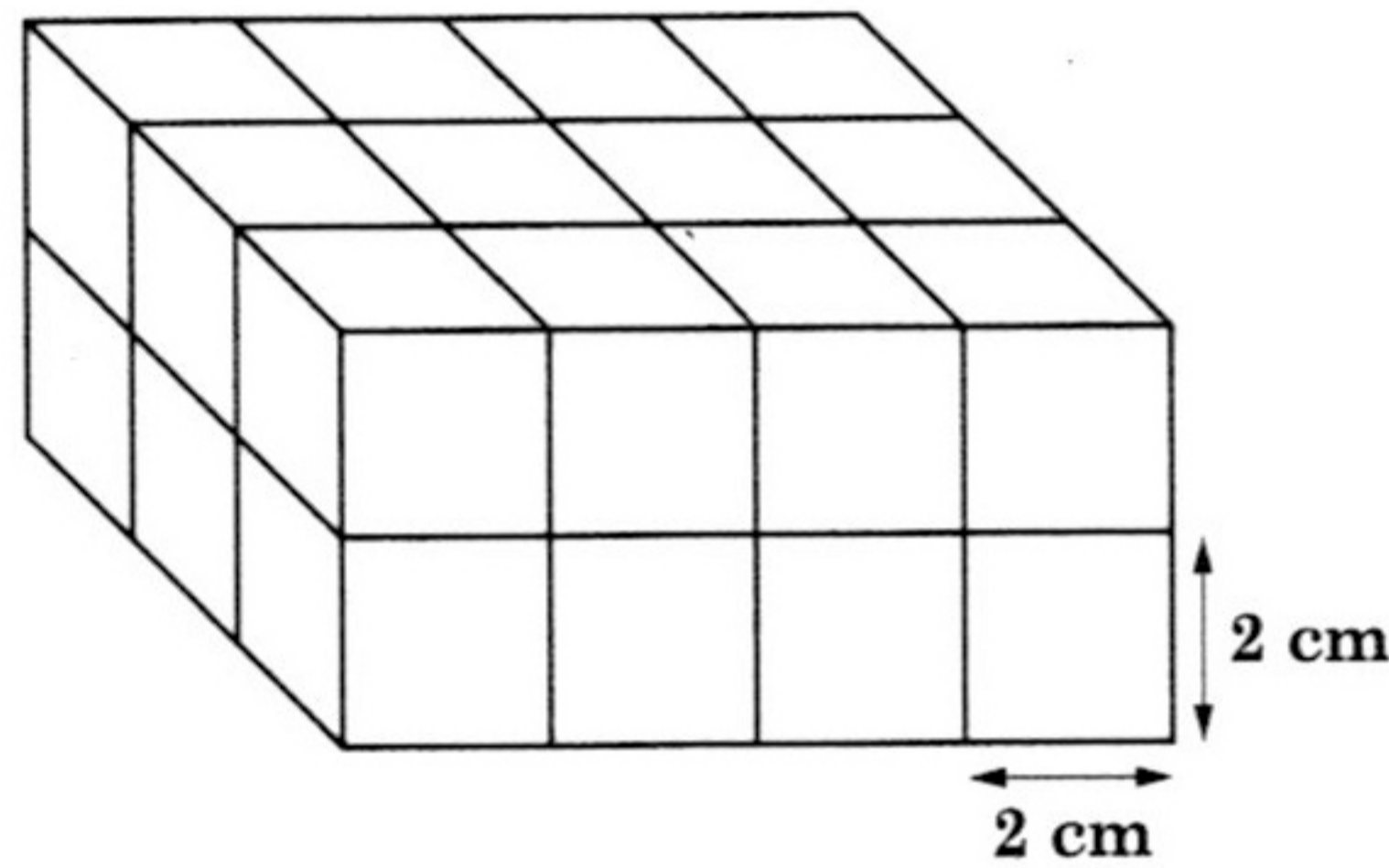


13. The calendar below is torn. What would be the date of the 5th Friday?

November 2019						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16

Answer \_\_\_\_\_

14. The solid below is made up of cubes of the same size.



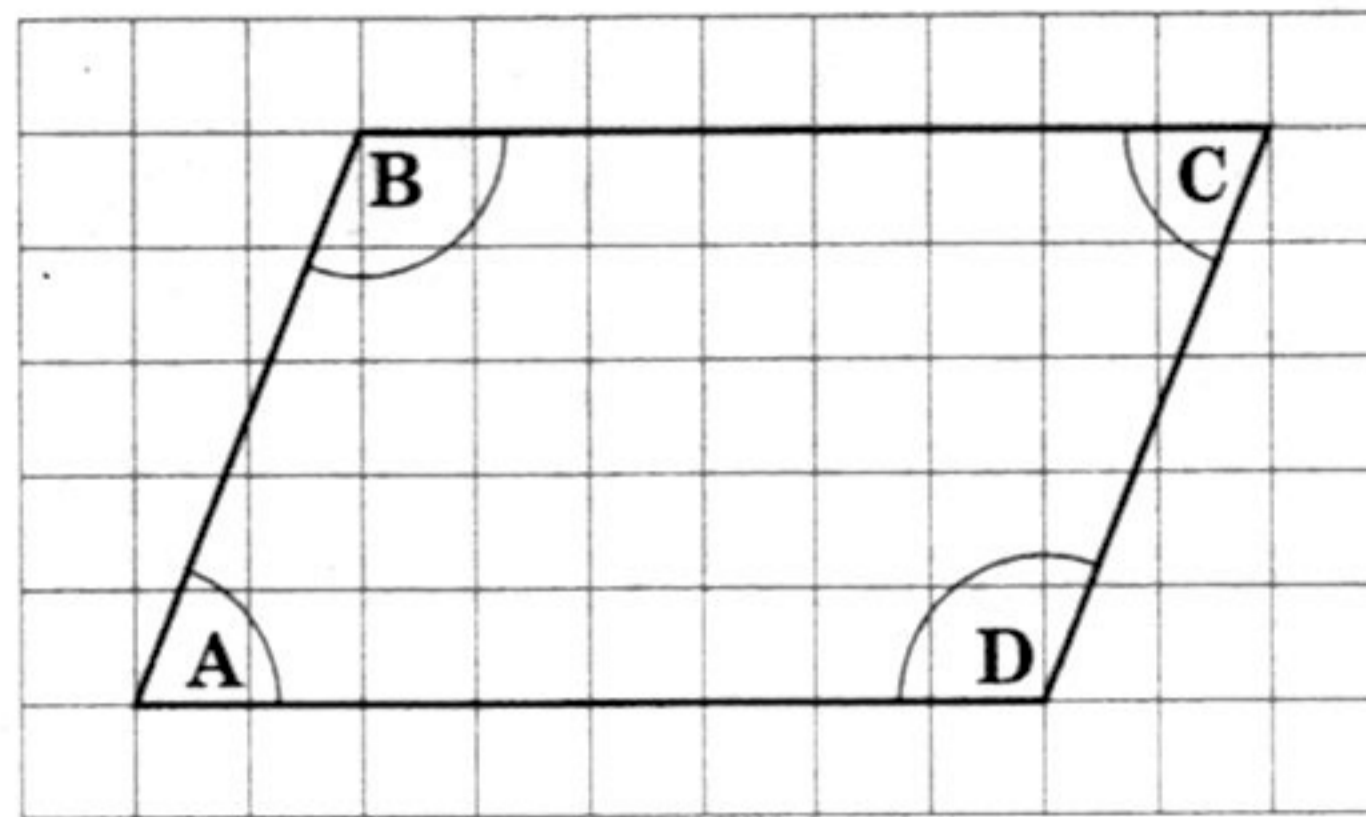
What is the total volume of the solid?

Answer \_\_\_\_\_  $\text{cm}^3$

DO NOT WRITE HERE	K (3)	A (1)	R (0)	TOTAL (4)
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15. On the diagram below, which two angles are **greater** than  $90^\circ$ ?



Answer \_\_\_\_\_ and \_\_\_\_\_

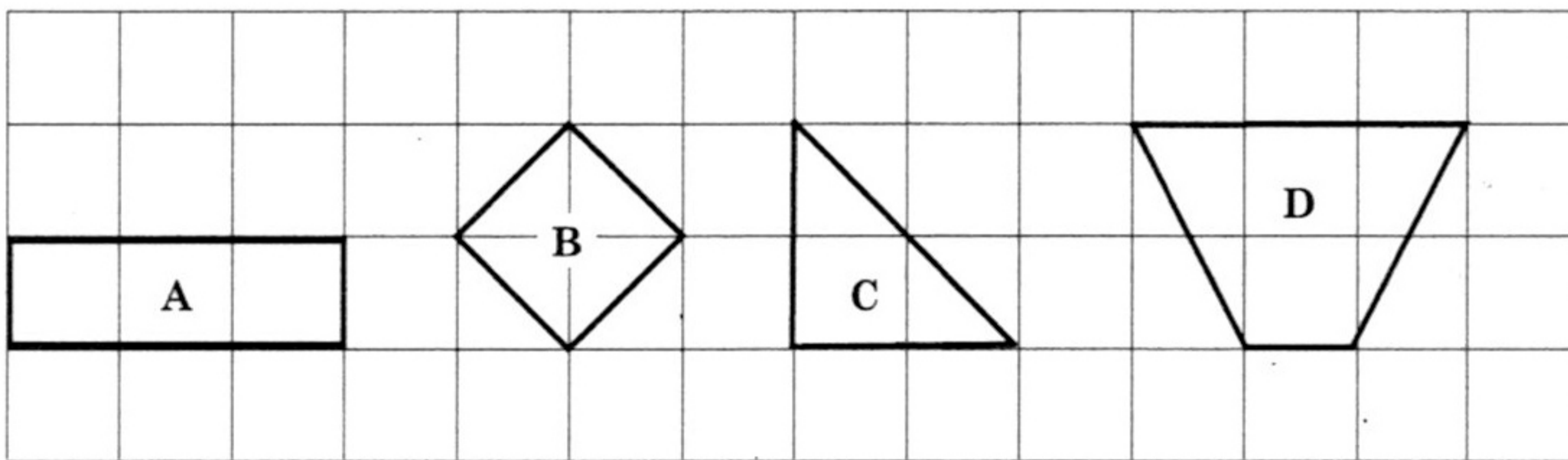
16. Name one solid with a uniform cross section.

Answer \_\_\_\_\_



17. Which plane shape (A, B, C, D) below has **all** the properties described in the table.

No. of Pairs of Parallel Sides	No. of Pairs of Equal Sides	No. of Lines of Symmetry
1	1	1

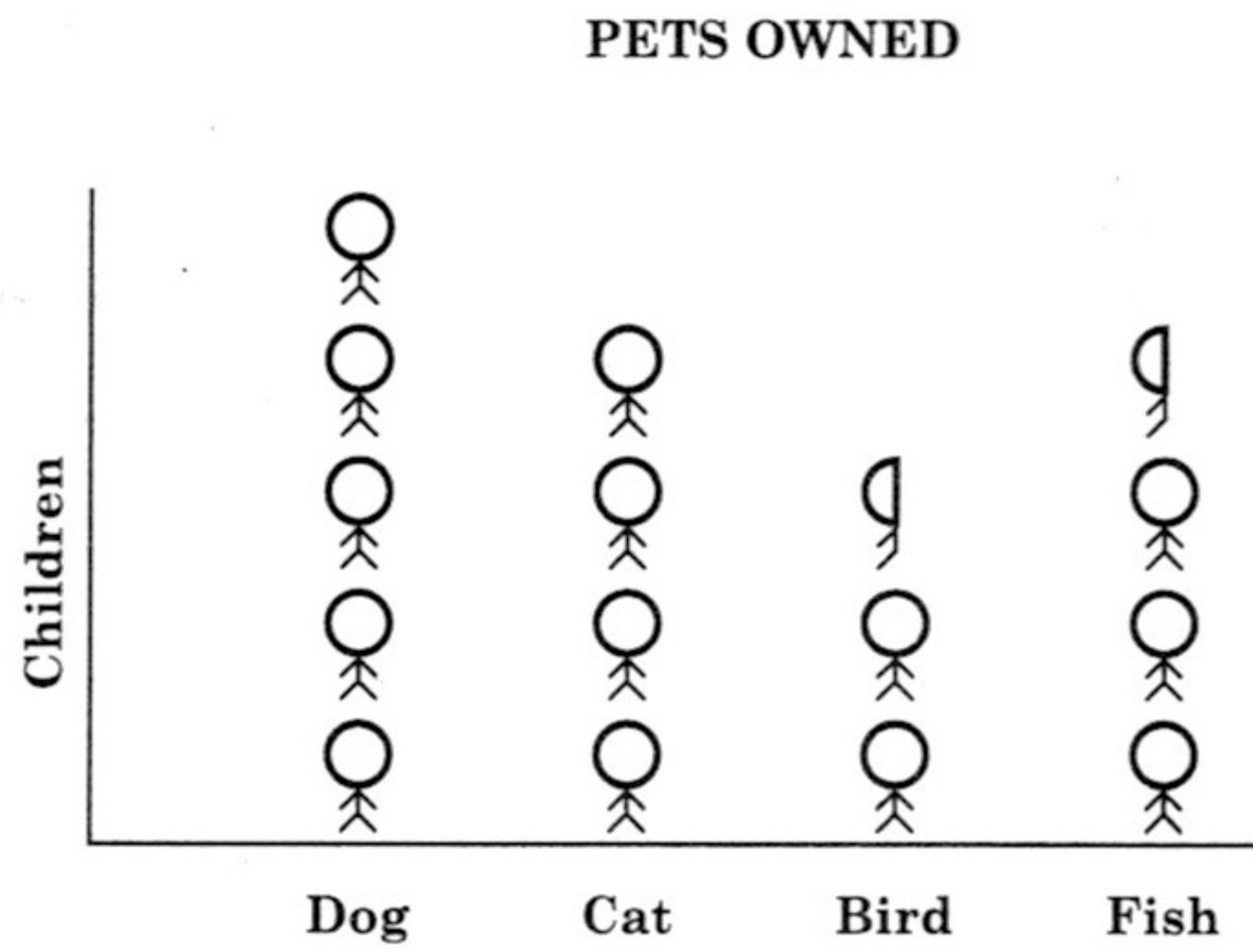



Answer \_\_\_\_\_

<b>DO NOT WRITE HERE</b>	<b>K (3)</b>	<b>A (0)</b>	<b>R (0)</b>	<b>TOTAL (3)</b>
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18. The pictograph below shows the pets owned by 90 children.



How many children does  represent?

Answer \_\_\_\_\_ children

19. The tally chart below shows the favourite colours of some students.

Colour	No. of Students
Red	
Blue	
Yellow	
Green	

What colour represents the mode?

Answer \_\_\_\_\_





20. The table below shows the number of ice-cream cones sold for **three** days.

Day	No. of Ice-Cream Cones Sold
Monday	25
Tuesday	18
Wednesday	35

Calculate the mean number of ice-cream cones sold.

Answer \_\_\_\_\_

**DO NOT WRITE HERE**

**K (3)**

**A (0)**

**R (0)**

**TOTAL (3)**



## SECTION 2

21. Eighteen identical tables fit exactly along the length of a hall. Each table measures 2.5 m in length.

What is the **total** length of the hall?

Answer \_\_\_\_\_ m (2 marks)

22. John has to do a book report on a book that contains 375 pages. He has finished reading 225 pages of the book. What percent of the book does he still have to read?

Answer \_\_\_\_\_ pages (2 marks)

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23. Darren filled boxes with tins of orange juice and numbered the boxes in the order in which they were filled. He packed the 496th tin in Box 21 then stopped for lunch. Box 21 was not completely filled.

How many tins were in Box 21?

Answer \_\_\_\_\_ tins (2 marks)

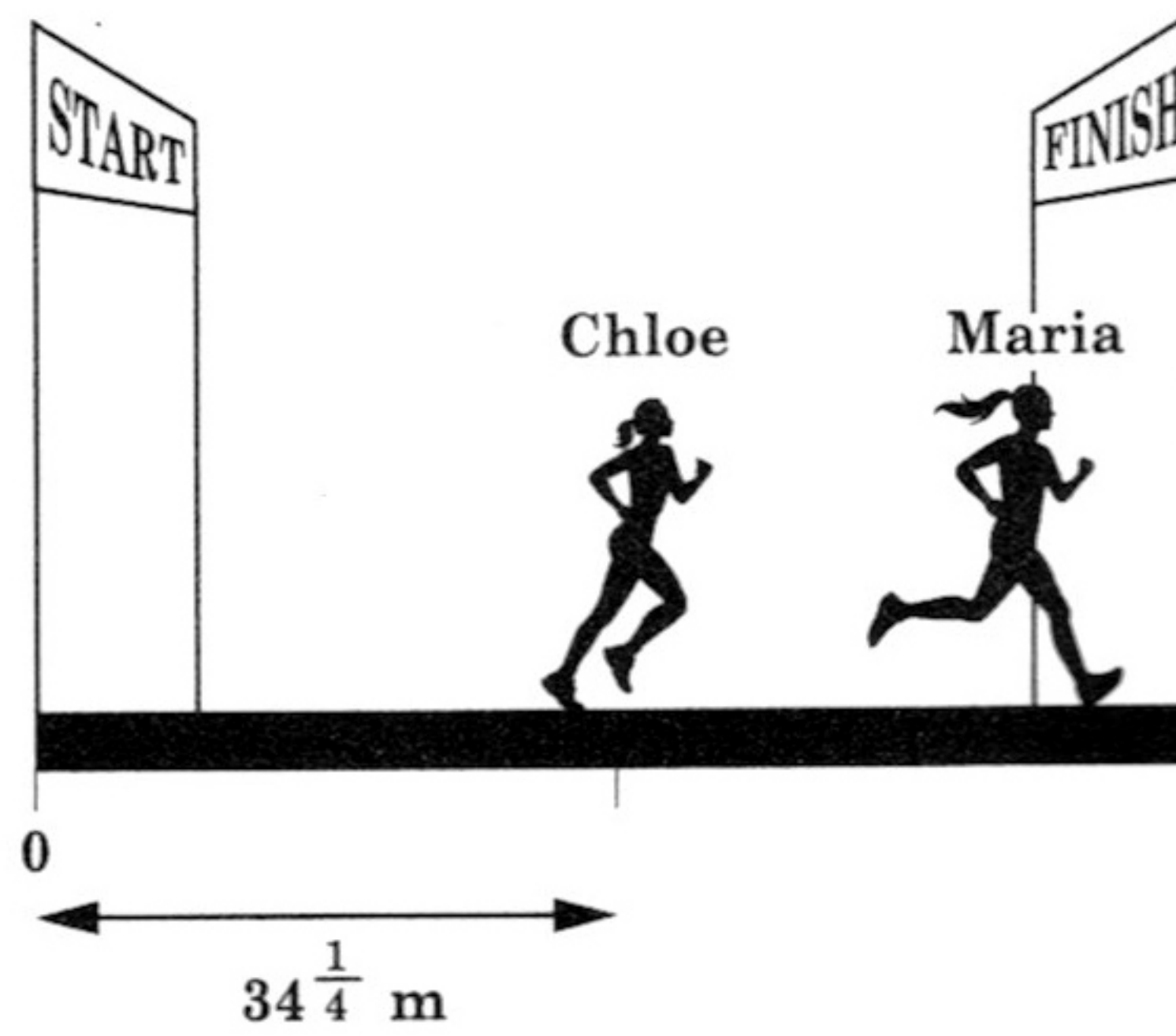
24. Sita has 36 marbles. She has  $\frac{3}{7}$  the number of marbles that Diana has.

How many marbles do they have **altogether**?

Answer \_\_\_\_\_ marbles (2 marks)



25. The diagram below shows Maria and Chloe in a race. Maria is at the finish line. Chloe is  $15\frac{3}{4}$  metres behind Maria.



What is the total distance from the start to the finish line?

Answer \_\_\_\_\_ m

(2 marks)



26. The prices of three different items are shown below.



**Notebook**  
**\$8.00**



**Folder**  
**\$30.00**



**Pen**  
**\$5.00**

Erin bought the items shown in the table below. Complete the table.

Item	Quantity	Total Cost
Notebook	_____	_____
Folder	2	_____
Pen	3	\$15.00
<b>TOTAL</b>		\$99.00

(3 marks)



27: Mr Lee gave the following question to his class:

$$0.8 + 0.2 = \square$$

Kate wrote  $0.8 + 0.2 = \square$  0.1

Priya wrote  $0.8 + 0.2 = \square$  1.0

Whose answer is correct? Use words or diagrams to explain your answer.

Answer \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(3 marks)



28. Can two fractions with the same numerators and different denominators be equal?

Use words or diagrams to explain your answer. You may use  $\frac{1}{4}$  and  $\frac{1}{8}$  as examples.

Answer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(3 marks)



29. At a school, 55% of the students are boys. All of the boys and 40% of the girls participated in the school's concert.

What percentage of the students participated in the concert?

Answer \_\_\_\_\_ %

(3 marks)

30. A farmer sold avocados over a period of 6 days. The number of avocados sold each day follows a pattern as shown in the table below. The number of avocados sold on Day 5 and Day 6 is **not** shown.

Day	1	2	3	4	5	6
Number of Avocados Sold	60	66	73	81		

How many avocados were sold **altogether** for the 6 days?

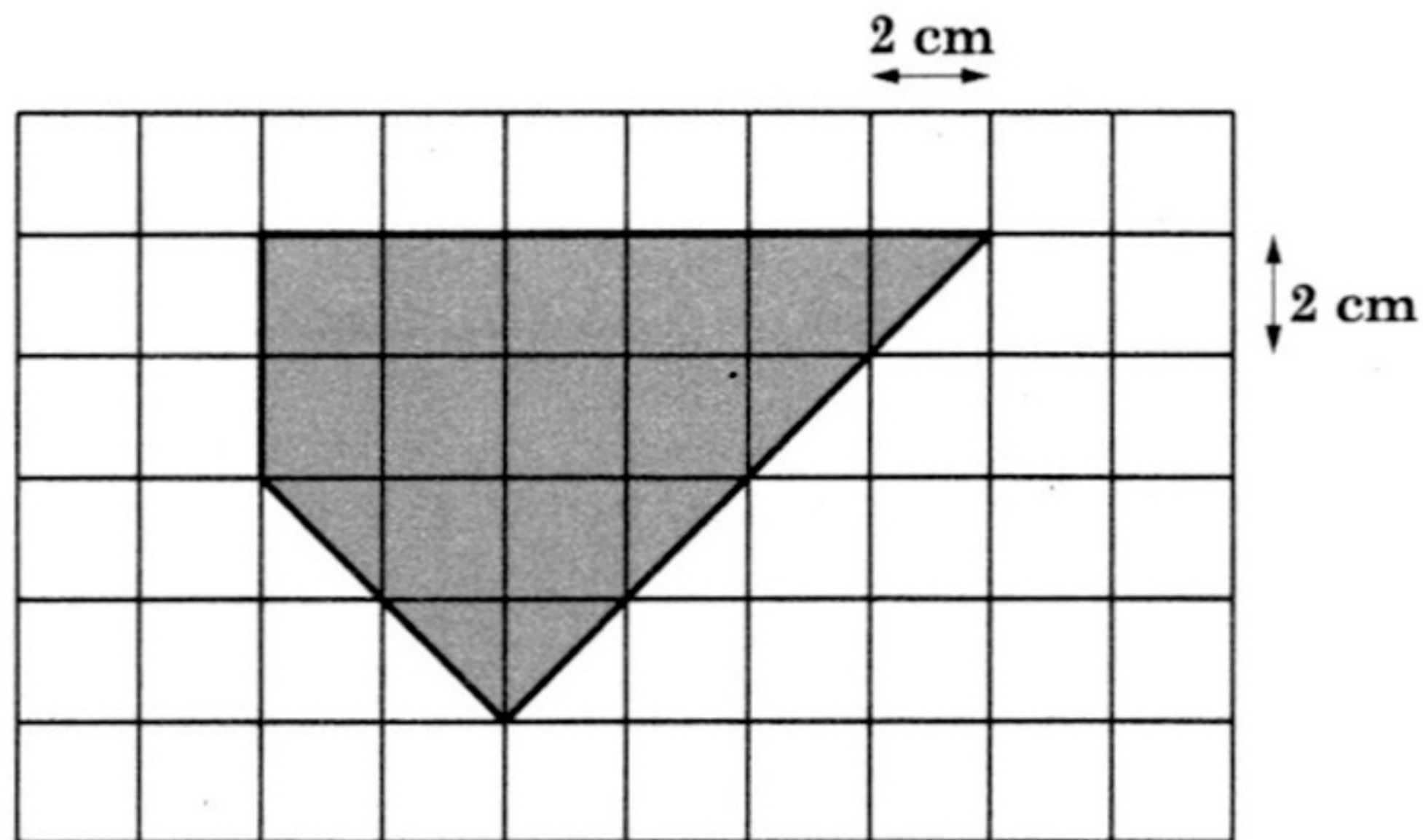
Answer \_\_\_\_\_ avocados

(3 marks)





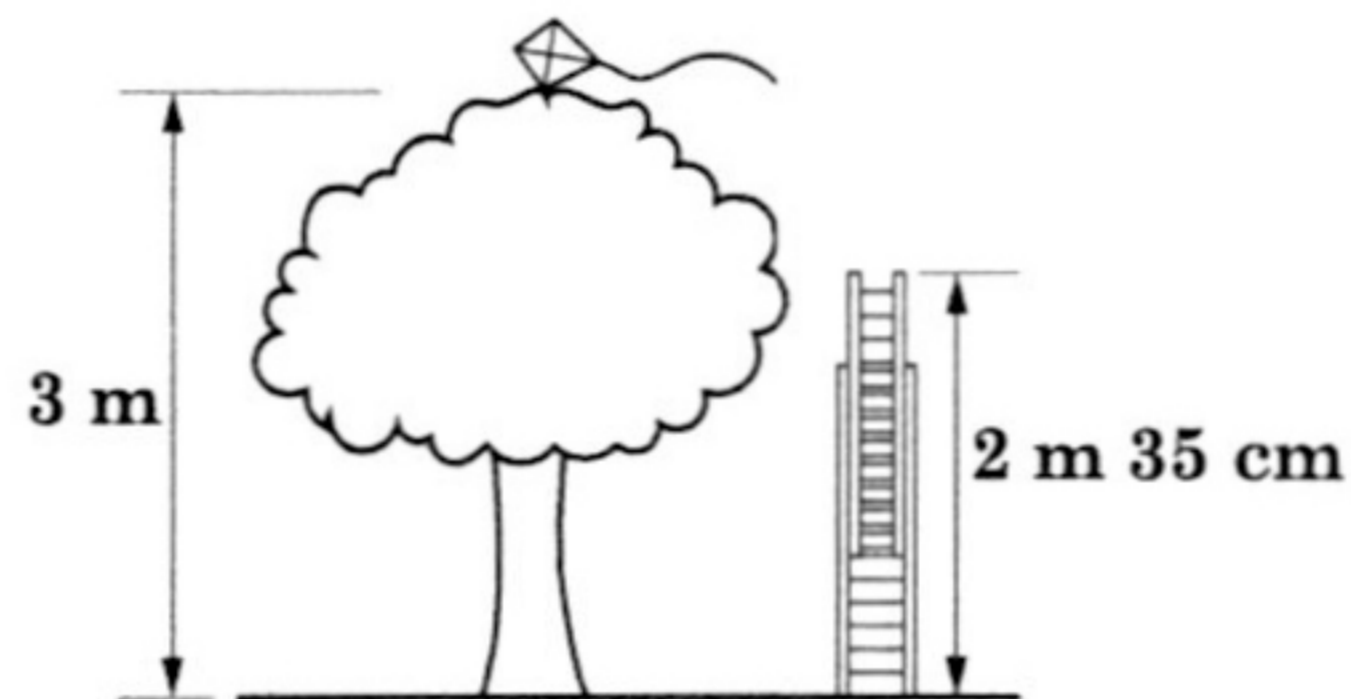
31. What is the area of the shaded figure below?



Answer \_\_\_\_\_  $\text{cm}^2$

(2 marks)

32. The diagram below shows a tree, a kite and a ladder.



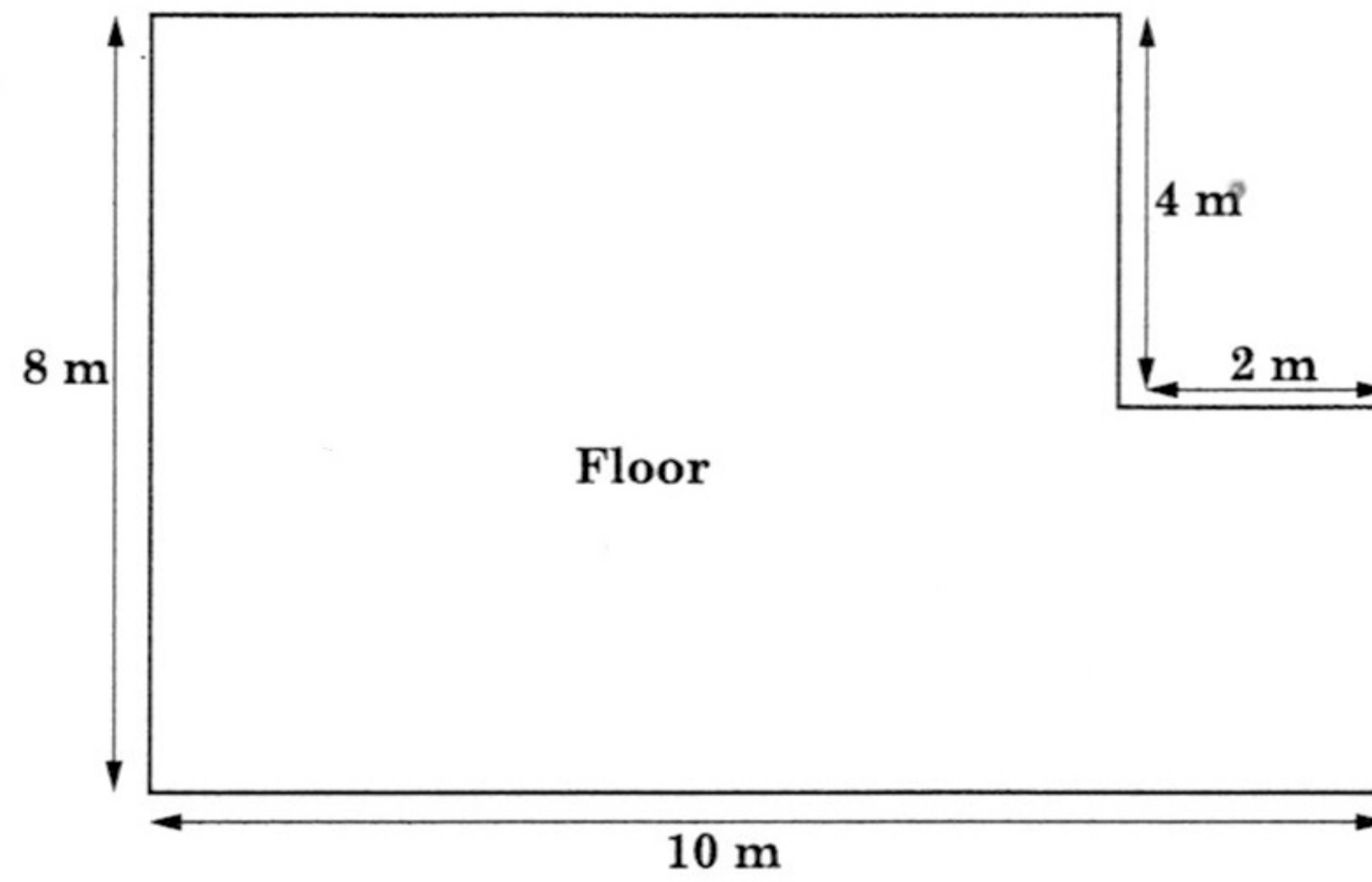
By how much should the ladder be extended to reach the kite at the top of the tree?



Answer \_\_\_\_\_ cm

(2 marks)

33. Mr Deo wants to tile the floor below using square tiles 20 cm in length.



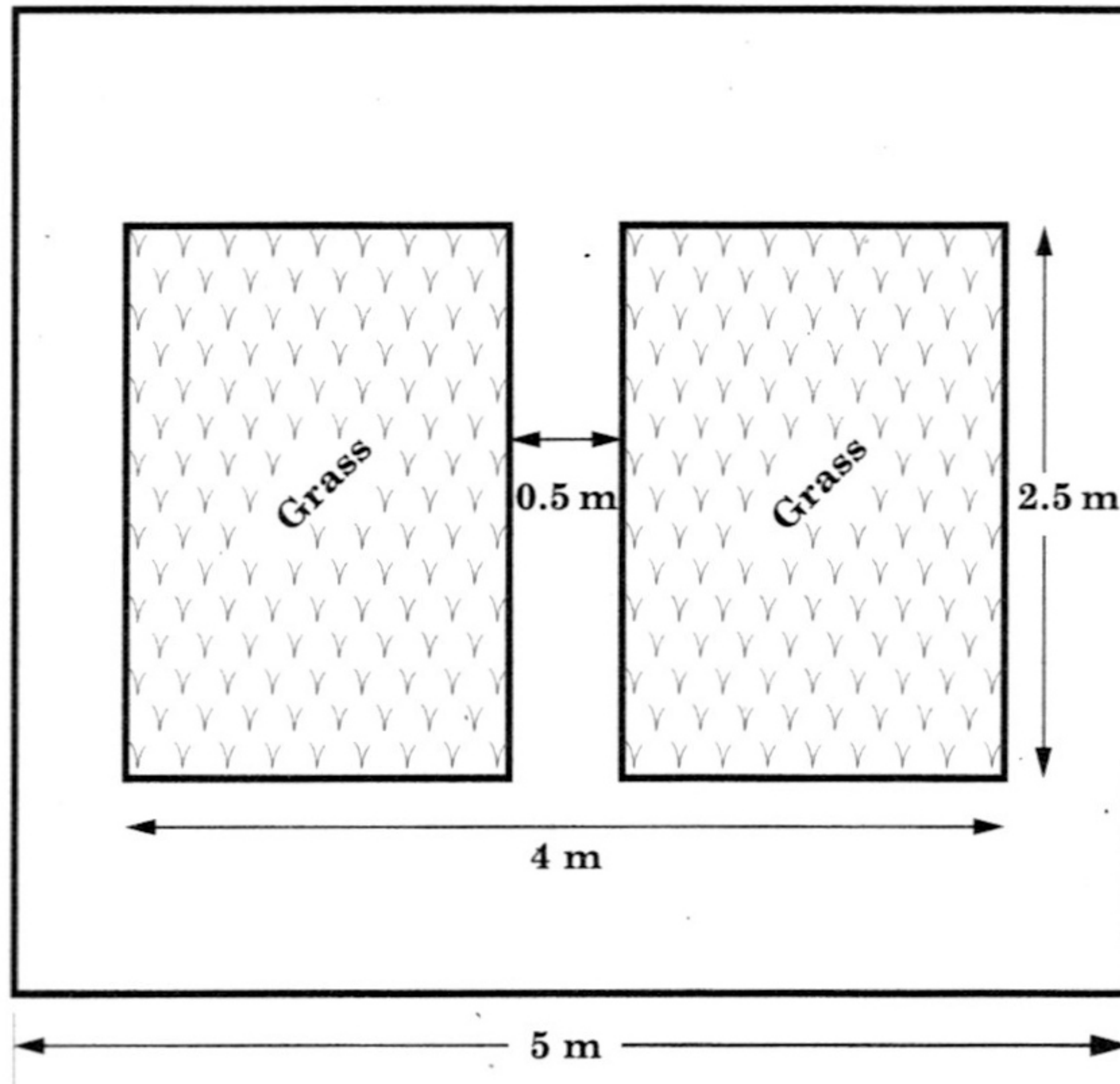
How many tiles will he need to cover the floor?

Answer \_\_\_\_\_ tiles

(3 marks)



34. The drawing below is a square yard of side 5 metres. The yard is paved **except** for 2 rectangular patches of grass. The 2 patches of grass are identical.

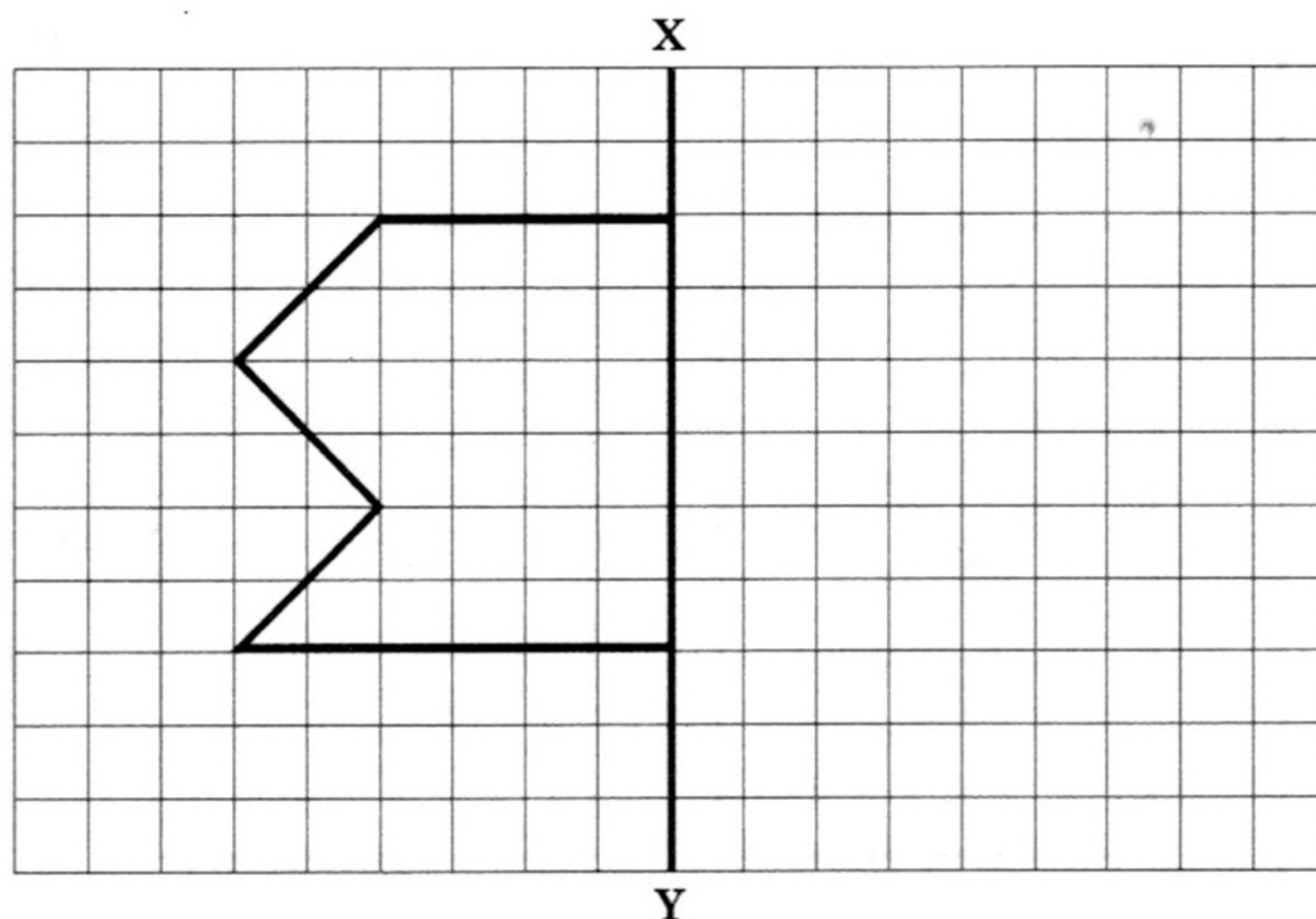


What is the **total** area of the paved section of the yard?

Answer \_\_\_\_\_ m<sup>2</sup> (3 marks)

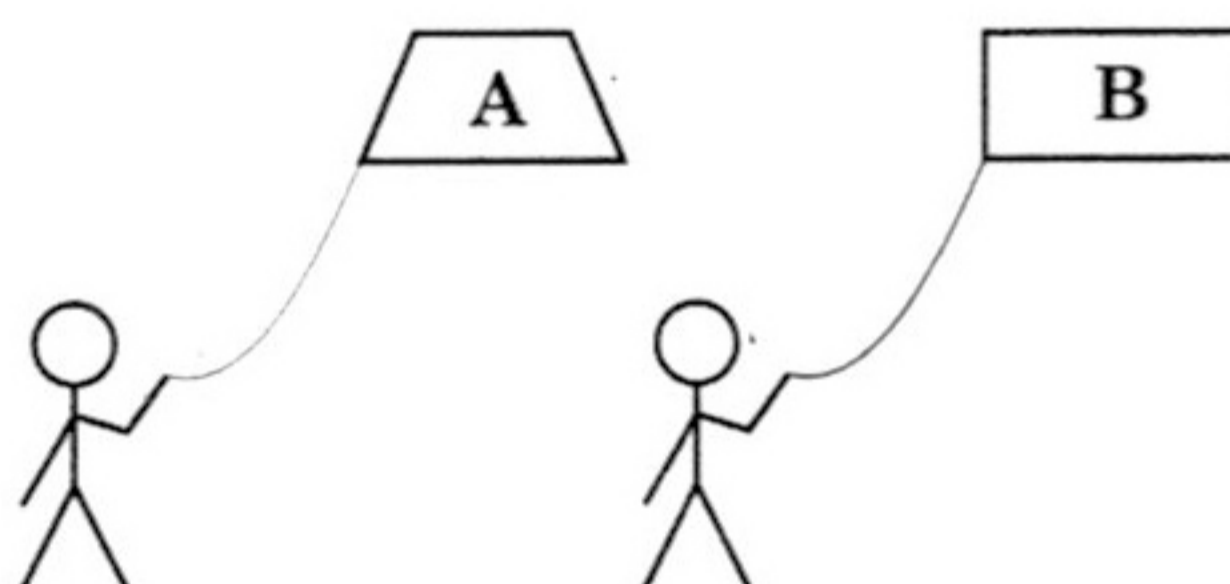


35. Complete the shape using XY as the line of symmetry.



(2 marks)

36. Two boys have kites in the shape of quadrilaterals.



Write **two** differences in the properties of Kite A and Kite B.

Answer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



(2 marks)

37. Michael and Joey played a game where they both turned in a clockwise direction. They started the game with each boy **facing north** and they both turned together. Michael made half turns and Joey made quarter turns.

Complete the table below to show the direction each boy faced after each turn.

Turn Number	Michael	Joey
0 (Start)	North	North
1	South	_____
2	_____	South
3	South	_____
4	North	North

(3 marks)



**DO NOT WRITE HERE**

**K (0)**

**A (7)**

**R (0)**

**TOTAL (7)**

38. The table below shows the scores of some Standard 4 students in a Mathematics test.

<b>Score</b>	5	10	15	20	25	30
<b>Number of Students</b>	5	7	10	8	6	4

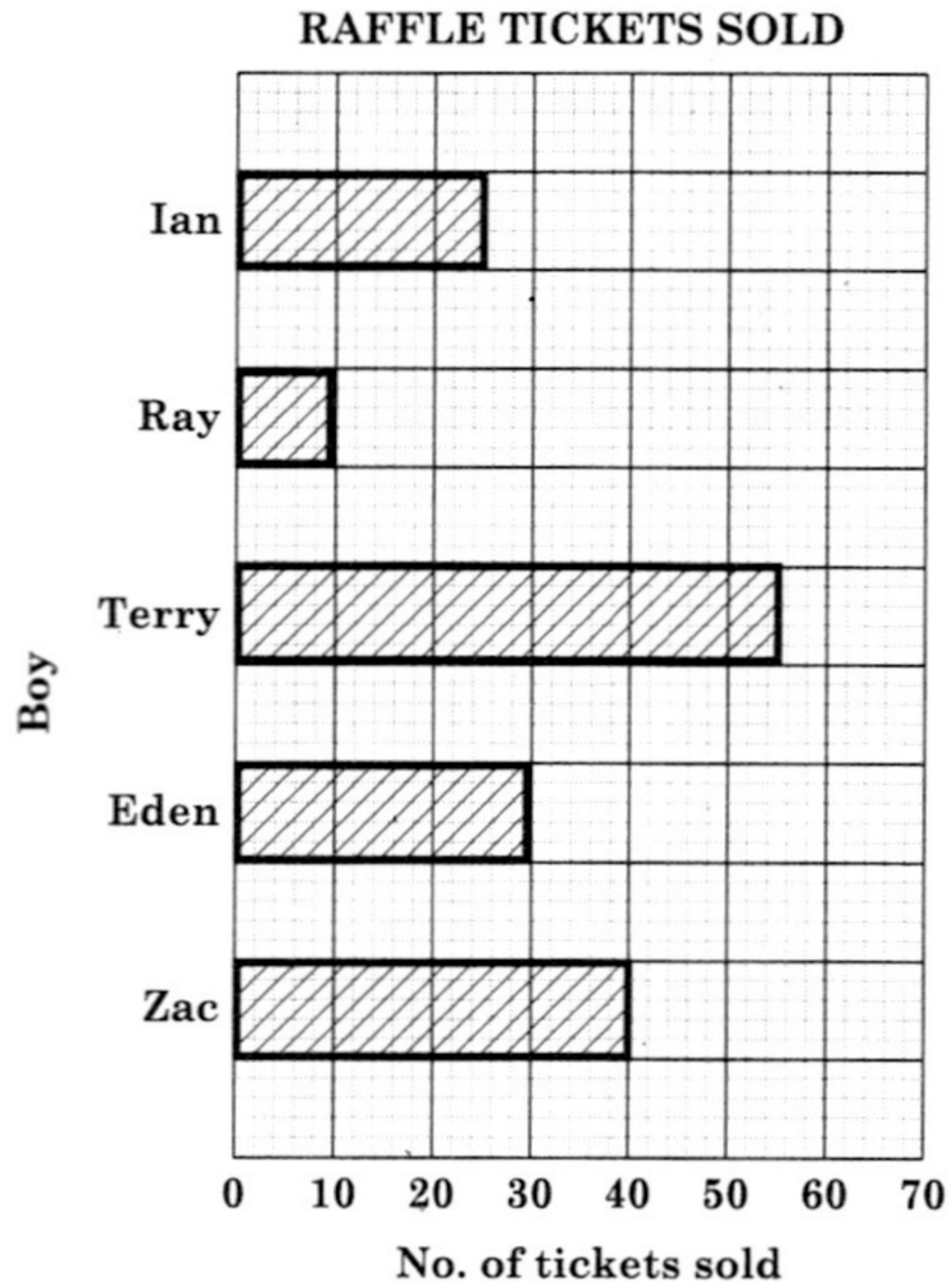
What percentage of the students had a score of **at least** 15?

Answer \_\_\_\_\_ %

**(2 marks)**



39. The bar graph below shows the number of raffle tickets sold by five boys.



The total number of tickets to be sold was 200.

Which boy or boys should be given more tickets to sell? Give a reason for your answer.

Answer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



- \_\_\_\_\_ (3 marks)  
40. Arnold's mean mark in 4 tests is 73. He wants to increase his mean by 5 marks.  
How many marks must he score in the fifth test?

Answer \_\_\_\_\_ marks (3 marks)





### SECTION 3

DO NOT WRITE HERE	K (0)		A (8)		R (0)		TOTAL (8)
<p>41. Omari bought some magnets and spinners. Each magnet cost \$2.00 and each spinner cost \$4.00. He bought 7 more magnets than spinners and spent a total of \$104.00.</p> <p>How many magnets did he buy?</p>							
<p>Answer _____ magnets (4 marks)</p>							

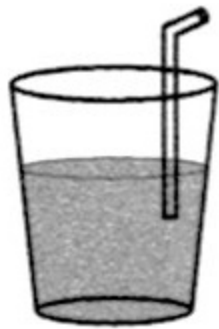


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42. A family of 4 persons bought lunch from the menu.

**MENU**

<b>Fruit Punch \$8.00</b>	
<b>Burger \$24.00</b>	
<b>Salads \$21.00</b>	

The total bill was \$125.00. Each person's meal included a fruit punch.

How many burger(s) and salad(s) were bought?

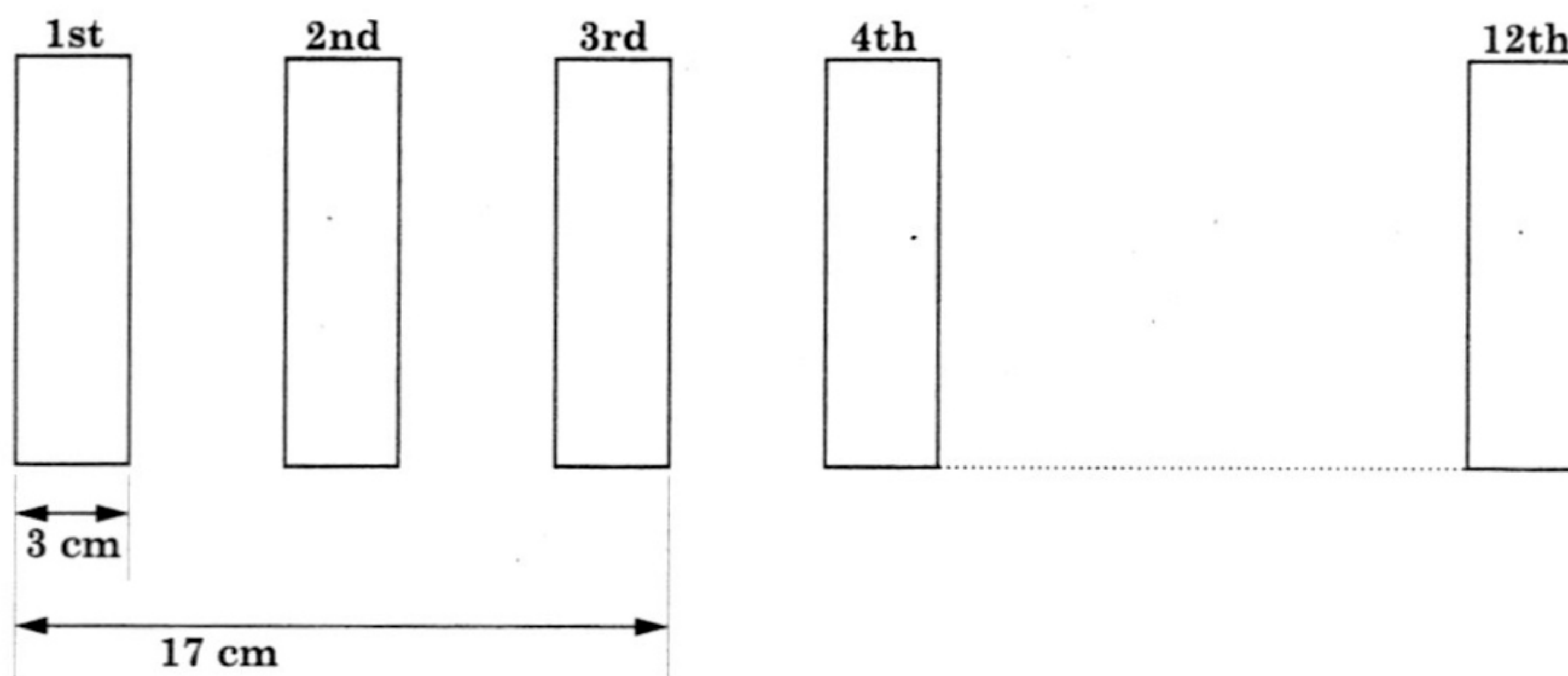
Answer \_\_\_\_\_ burger(s)

\_\_\_\_\_ salad(s)

**(4 marks)**



43. Identical rectangular cards are placed on a straight line at an equal distance from each other, as shown below. The total distance from the first card to the third card is 17 cm. Each card has a width of 3 cm.

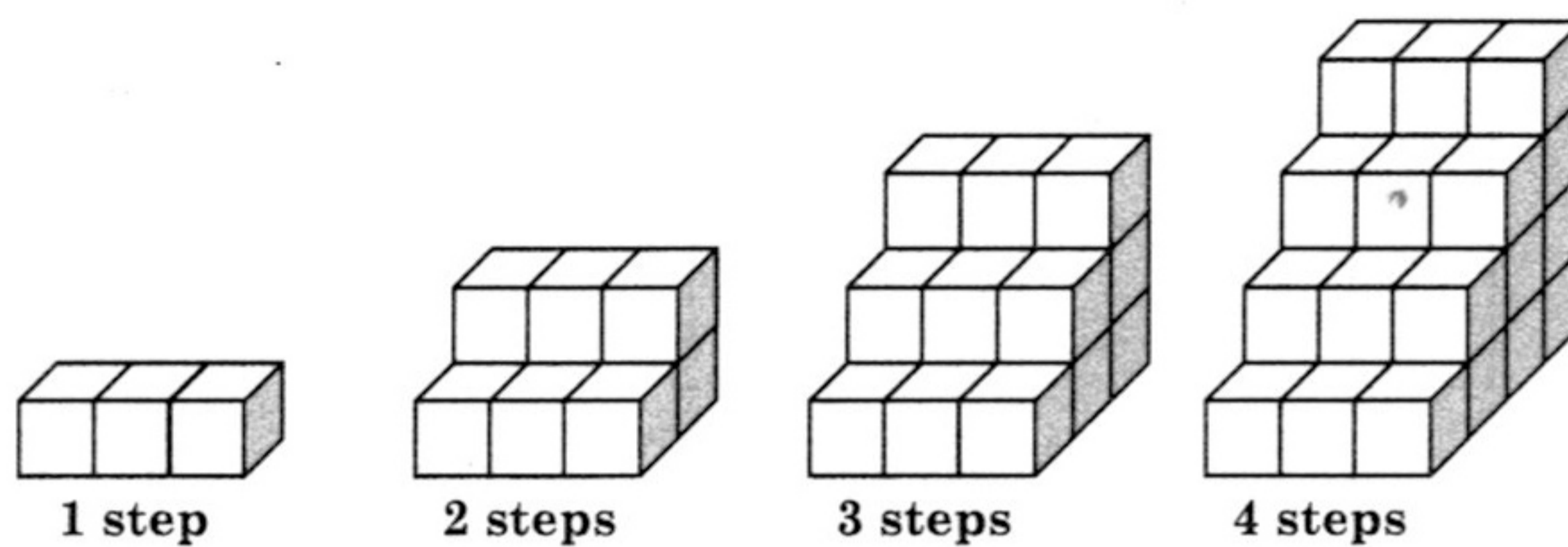


What is the total distance from the 3rd card to the 12th card?

Answer \_\_\_\_\_ cm

(4 marks)

44. Cubes are used to make a pattern to build staircases as shown below.



- (a) How many cubes will be used to build a staircase with 6 steps?

Answer \_\_\_\_\_ cubes

- (b) If 135 cubes are used to build a similar staircase, how many steps will the staircase have?

Answer \_\_\_\_\_ steps

(4 marks)



<b>DO NOT WRITE HERE</b>	<b>K (0)</b>		<b>A (0)</b>		<b>R (4)</b>		<b>TOTAL (4)</b>
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45. Maya has 285 stickers, Rene has 350 stickers and Zara has 175 stickers.

How many stickers must Rene and Maya give to Zara so that the 3 girls will have the same number of stickers?

Answer

Maya gives \_\_\_\_\_ stickers

Rene gives \_\_\_\_\_ stickers

**(4 marks)**

**END OF TEST**

**IF YOU FINISH BEFORE TIME IS CALLED,  
YOU MAY CHECK YOUR WORK BEFORE HANDING IN YOUR PAPER**

