



TRINIDAD AND TOBAGO

SECONDARY ENTRANCE ASSESSMENT

SPECIMEN BOOKLET

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FILL IN ALL INFORMATION REQUESTED CLEARLY AND LEGIBLY.

TEST CODE

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SUBJECT MATHEMATICS

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Please place your label here.

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READ THE FOLLOWING DIRECTIONS CAREFULLY

1. This test is divided into **THREE** sections.
2. Make sure you read the instructions before you start to work on any section.
3. Write all your answers in this test booklet.
4. **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

WRITE THE NAME OF YOUR SCHOOL BELOW:

WRITE YOUR FULL NAME BELOW:

DATE OF BIRTH

<i>Day</i>	<i>Month</i>	<i>Year</i>
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SEX { MALE
 FEMALE

DO NOT WRITE IN THIS SPACE

FOLDER NUMBER

DO NOT WRITE IN THIS SPACE

FOLDER NUMBER

Instructions for the Mathematics Test

You are **NOT** allowed to use **calculators**.

This test has **THREE** sections with a total of 45 questions.

SECTION I has 20 questions (Nos. 1-20).

SECTION II has 20 questions (Nos. 21-40).

SECTION III has 5 questions (Nos. 41-45).

You have 75 minutes for this test.

Answer **ALL** questions.

Read **EACH** question **CAREFULLY** before answering it.

Show **ALL** working.

Marks will be given for correct steps taken.

Work carefully but **DO NOT** spend too much time on any one question.

DO NOT BEGIN UNTIL YOU ARE TOLD TO DO SO.

Section 1

1. Write in words, the number represented in the place value chart below.

Hundreds of Thousands	Tens of Thousands	Thousands	Hundreds	Tens	Ones
3	0	4	8	0	7

2. Using the digits 4, 8 and 9, form the smallest number which is a multiple of 6.

Answer : _____

3. Arrange the following decimal fractions in ascending order.

0.21 0.12 1.2 1.02

Answer: _____

4. If $\frac{1}{7}$ of a number is 20, what is the number?

Answer: _____

5. Write 9% as a decimal fraction.

Answer: _____

6. $8^2 \div 2 = \square \div 4$

Answer: _____

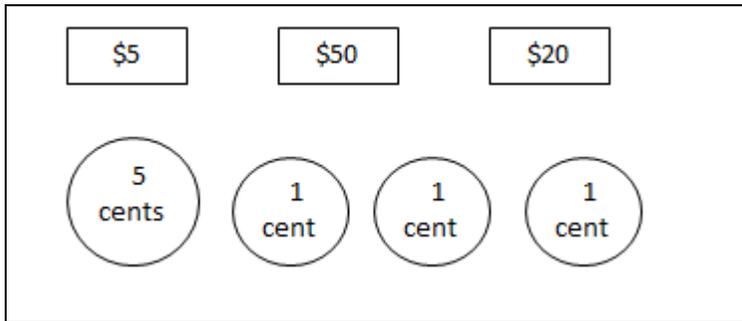
7. $2463 + 1029 =$

Answer: _____

8.
$$\begin{array}{r} 24 \overline{) 2952} \end{array}$$

Answer: _____

9. Write the total value of the bills and coins shown below.

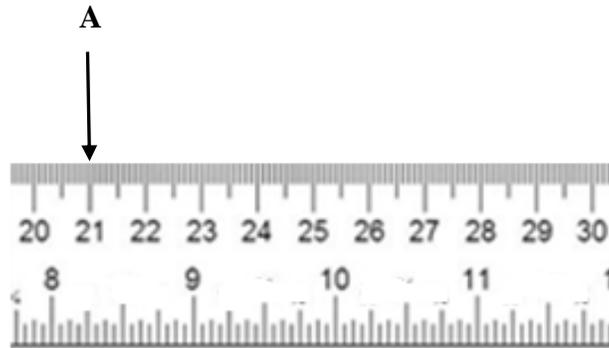


Answer: _____

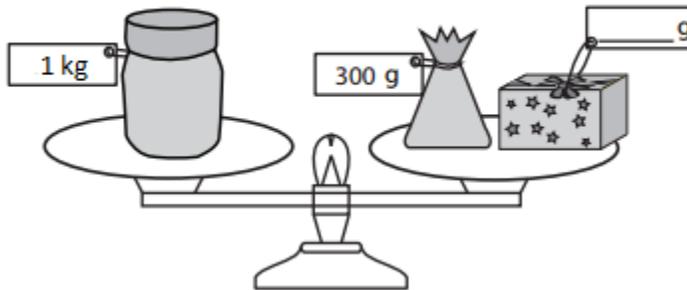
10. There are 9 pizzas to be shared equally among 4 classes. How much pizza will each class get?

Answer: _____

11. Point B is 4.6 cm to the right of Point A. Draw an arrow to show the position of Point B.



12. Calculate the mass of the gift-box.



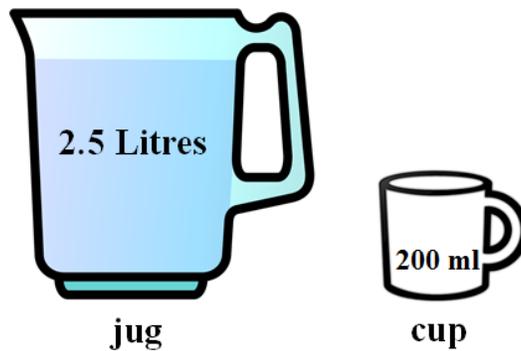
Answer: _____

13. How much time does the Route 3 bus take to complete its journey?

BUS SCHEDULE		
Route Number	Departure	Arrival
1	5:00 a.m.	6:25 a.m.
2	5:30 a.m.	7:00 a.m.
3	6:15 a.m.	8:00 a.m.

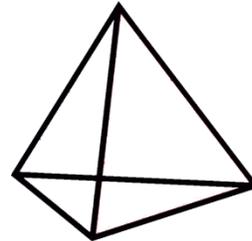
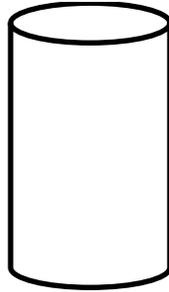
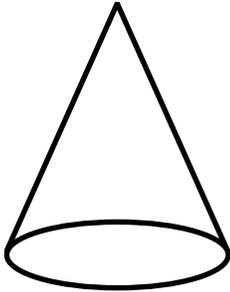
Answer: _____

14. How many 200 ml cups can be completely filled from the jug shown below?



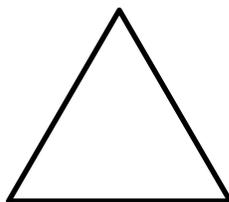
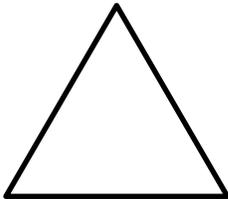
Answer: _____

15. Write the name of the solid below which has a uniform cross section.



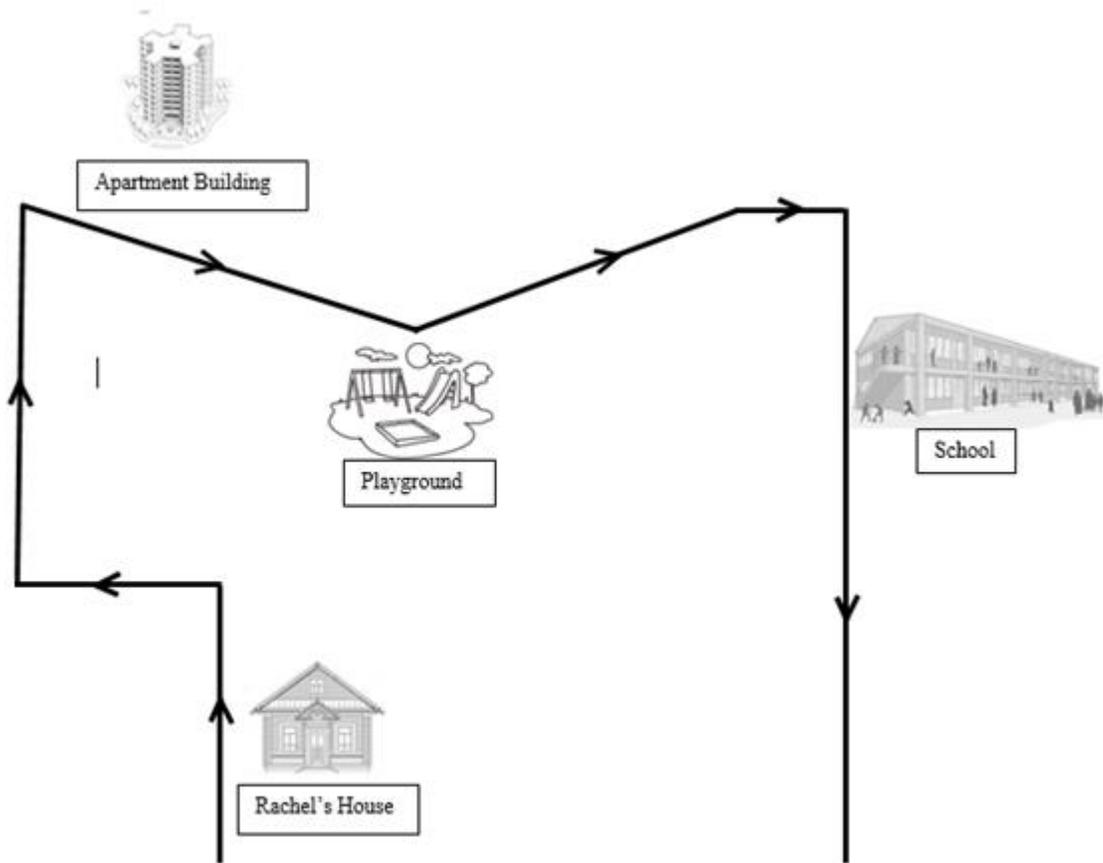
Answer: _____

16. Name the solid which can be formed using **ALL** the faces below.



Answer: _____

17. The arrows show Rachel's path from her house to school.



How many quarter turns does Rachel make to get to school?

Answer: _____

18. Calculate the mean of the following test scores:

42 76 87 53 64 92

Answer: _____

19. The table below shows the fruits eaten by students of a Standard 5 class.

Fruits	Number of Students
Pineapple	12
Mango	14
Orange	14
Banana	22
Watermelon	16

Which fruit shows the mode?

Answer: _____

20. The table below shows the number of students absent during the last week of school.

DAYS	NUMBER OF STUDENTS
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

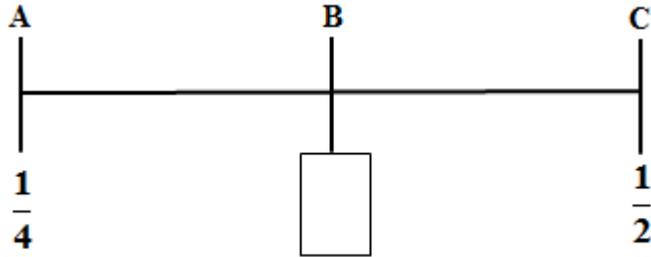
How many more students were absent on Friday than on Wednesday?

Answer: _____

Section 2

21. On the number line below, **A** represents $\frac{1}{4}$, **C** represents $\frac{1}{2}$. **B** is in the middle of **A** and **C**. What fraction does **B** represent?

(3 marks)



Answer: _____

22. Roy has 149 marbles. Mike has 45 marbles less than Roy. How many marbles do they have altogether?

(2 marks)

Answer: _____

23. A hall has 22 rows of chairs. There are 18 chairs in each row. How many extra rows of chairs are needed to seat 468 persons?

(3 marks)

Answer: _____

24. At a bookstore, 9 copybooks cost \$7.20. What is the cost of 2 dozens copybooks?

(2 marks)

Answer: _____

25. There were 399 children at a water park. Thirty-nine girls left by midday. The number of boys was then twice the number of girls. How many girls were there before midday.

(3 marks)

Answer: _____

26. Aleem puts a total of 45 toys onto 3 shelves.

He puts **at least 13** toys on each shelf.

Complete the table to show one way he could put the toys onto the shelves.

(2 marks)

Shelf	Number of Toys
1	14
2	
3	
Total	45

Answer: _____

27. The original price of the bag is \$140.00. What is the price after discount?
(2 marks)



Answer: _____

28. Kirstin wants to buy a flute that costs \$240.
She has saved \$20 each week for 3 weeks.
How many more weeks does Kirstin need to save money if she continues to save \$20 each week?

(3 marks)

Answer: _____

29. Mr. Chin picked a number greater than 100.
He told Gabriel to divide the number by 18.
He told Edward to divide the number by 15.

Whose answer is greater?

Explain how you know this person's answer will always be greater.

(3 marks)

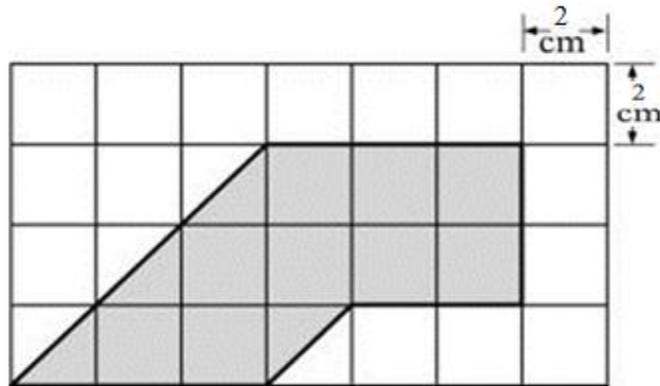
30. Amy borrowed \$3000 from a bank at a rate of 12% for 2 years. She repays the bank in equal monthly instalments. How much does she pay each month?

(3 marks)

Answer: _____

31. What is the area of the shaded figure?

(2 marks)



Answer: _____

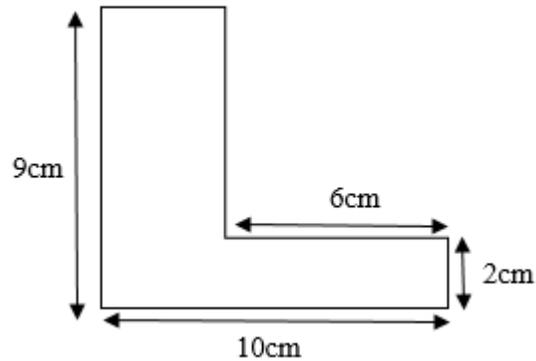
32. Andy parks his car from 9:00 a.m. to 12:45 p.m. How much money does he pay for parking?

CAR PARK RATES
\$5.00 per hour or any part thereof

(2 marks)

Answer: _____

33. Calculate the perimeter of the compound shape.



(3 marks)

Answer: _____

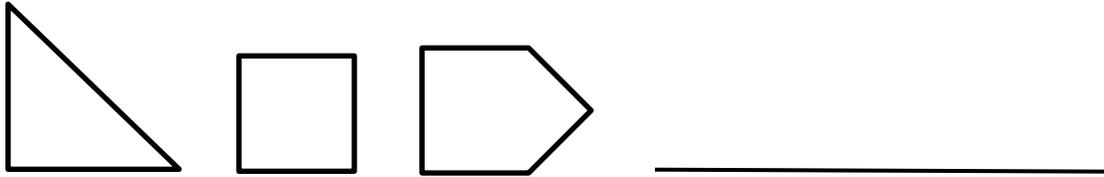
34. Mia used 8 m of ribbon to make bows. She used 36 cm to make each large bow and 12 cm to make each small bow. She made an equal number of large and small bows. If she has 32 cm remaining, how many bows did she make?

(3 marks)

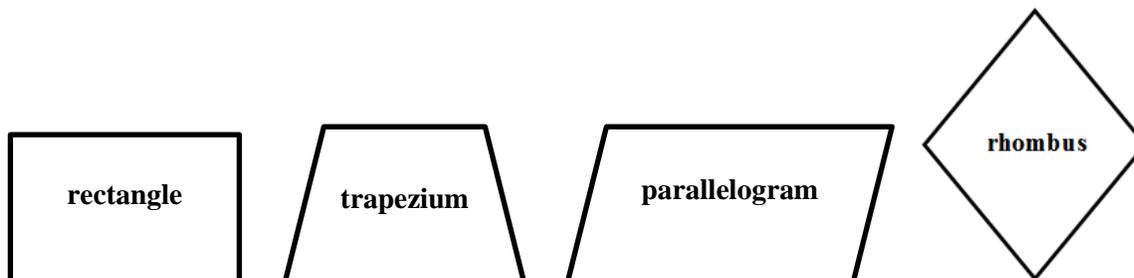
Answer: _____

35. Draw the next polygon to complete the pattern.

(2 marks)



36. Use the shapes given to complete the table below.

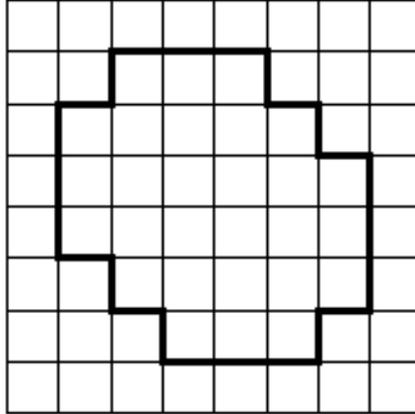


Properties	Name of shape
Only 1 pair of parallel sides	
4 equal angles	
4 equal sides	

(3 marks)

37. Draw the lines of symmetry on the figure in the grid below.

(2 marks)



38. The table shows the number of story books read by students of a Standard 5 class.

Number of storybooks	0	1	2	3	4
Number of students	5	8	15	7	2

How many students read at least 2 books?

(2 marks)

Answer: _____

39. Fifty-two T-shirts were bought for a Standard 5 class using the house system colours. Complete the pictograph below.

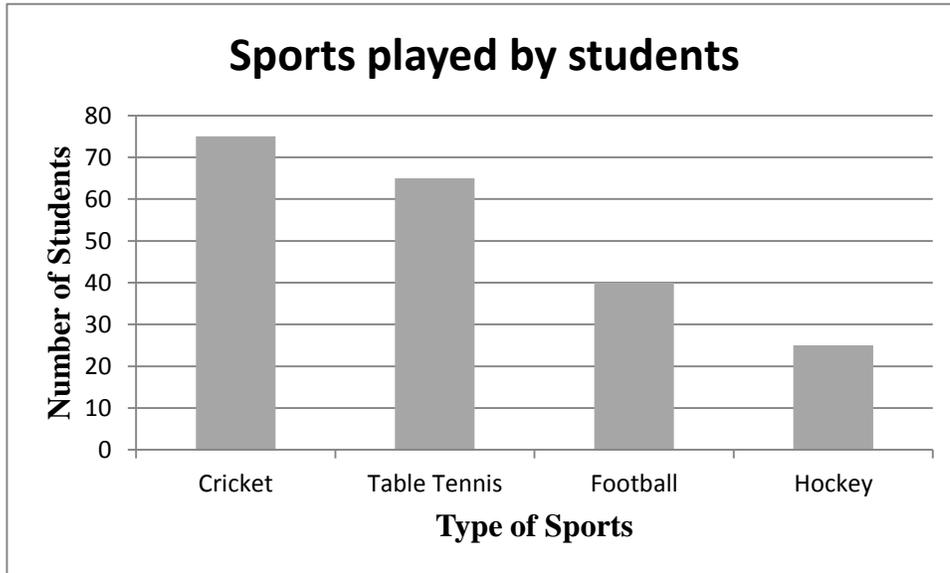
(2 marks)

House Colours	Number of Students
Red	
Blue	
Green	
Yellow	



represents 4 children

40. The bar graph shows different sports played by students.



On which sport should the principal spend the most money? Give a reason for your answer.

(3 marks)

Answer:

Section 3

41. Mrs. Pam baked some cupcakes. $\frac{3}{7}$ of them were vanilla and the rest were chocolate. She sold $\frac{1}{4}$ of the vanilla and $\frac{5}{8}$ of the chocolate. She had 150 cupcakes left. How many cupcakes did she bake altogether?

(4 marks)

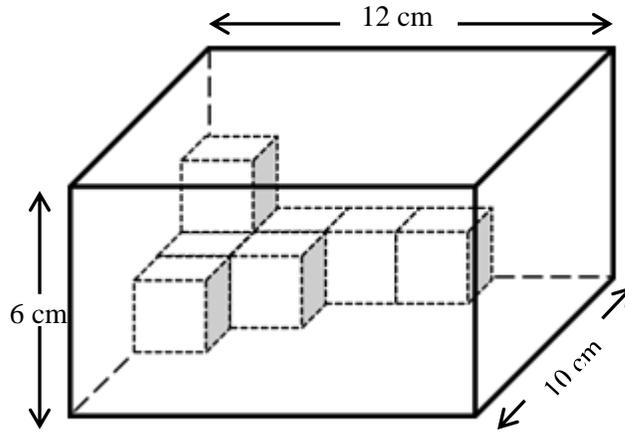
Answer: _____

42. Mary sold mangoes at \$6 each. Customers who bought 2 mangoes from her, were given 1 mango free. No customer bought more than 2 mangoes. At the end of the sale, Mary earned a total of \$504 and 30 mangoes were given free. How many customers bought only one mango?

(4 marks)

Answer: _____

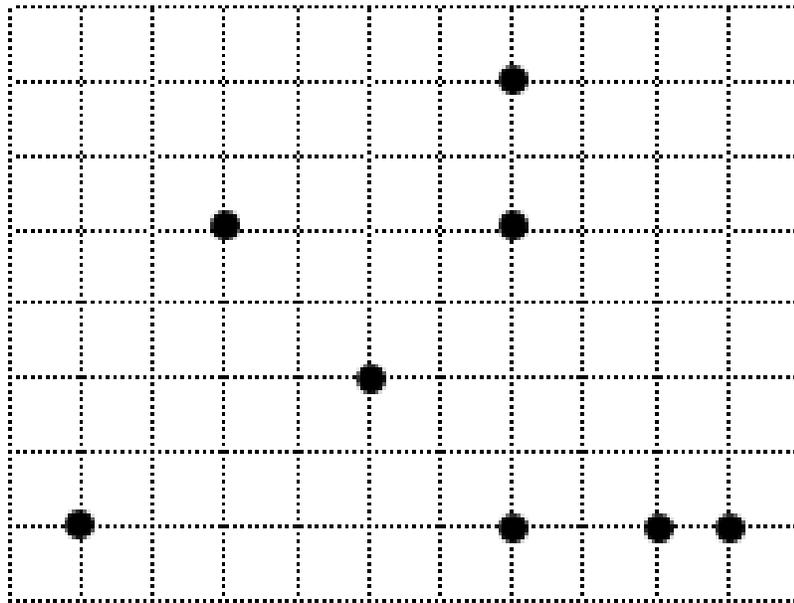
43. The box below contains some cubes each side measuring 2 cm. How many more cubes of the same size are needed to completely fill the box?



(4 marks)

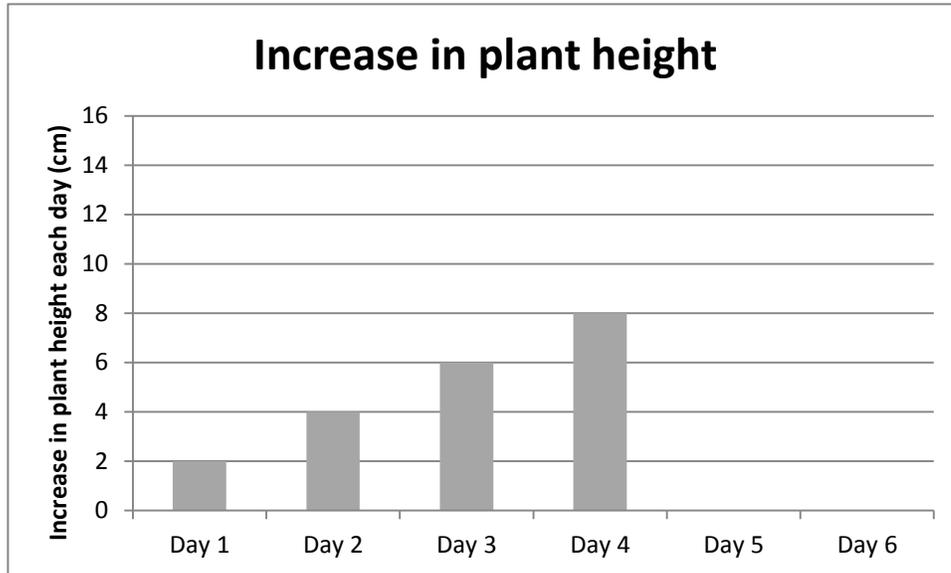
Answer: _____

44. (a) Using the grid below, join 4 dots to form a quadrilateral with one pair of parallel lines and only one angle that is smaller than a right angle. Label the shape A. (3 marks)



- (b) Using the grid, extend the quadrilateral formed in part (a) to make a symmetrical shape. (1 mark)

45. Alex was given a 12 cm plant to record its growth over 4 days. The bar graph shows the increase in plant height.



(a) What was the height of the plant on Day 4?

(2 marks)

Answer: _____

(b) If the increase in the plant's height is the same daily, draw the bar to show the increase in height on Day 6.

(2 marks)

END OF TEST

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