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	_3_	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.

$(14 \times 10) + (14 \times 7) = 14 \times \boxed{}$
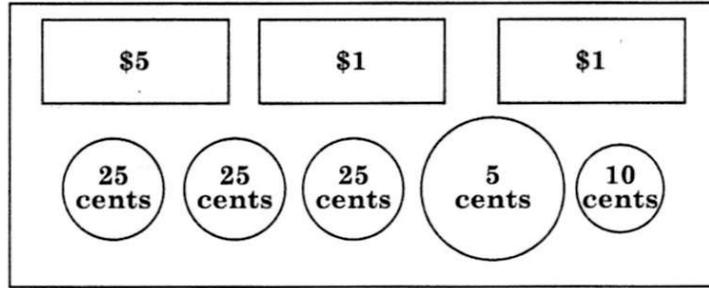
Answer _____

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

Answer _____

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

Answer _____

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

$5	$1	$1

(25 cents) (25 cents) (25 cents) (5 cents) (10 cents)

Answer $ _____

9. $312 \times 15 =$

Answer _____

10. Write the missing numbers in the boxes below.

```
      4   3   ☐
  +   9   ☐   7
  _____
      1   3   4   5
```
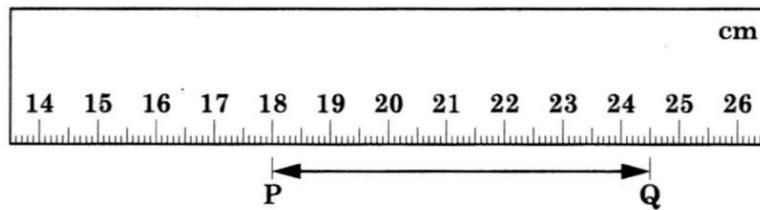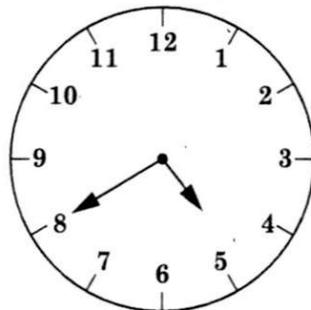
11. What is the distance, in centimetres, between Point **P** and Point **Q**?

Answer _____ cm

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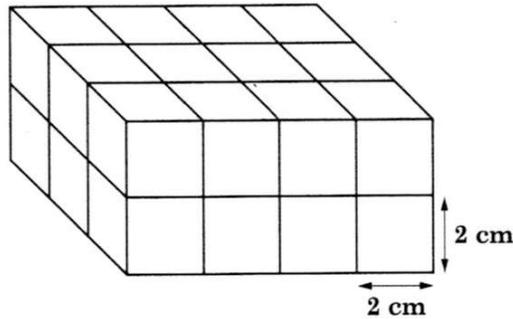
Analog clock

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.

2 cm

2 cm

What is the total volume of the solid?

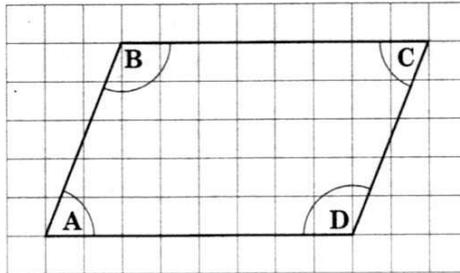Answer _____ cm³

DO NOT WRITE HERE	K (3)	A (1)	R (0)	TOTAL (4)

15. On the diagram below, which two angles are **greater** than 90°?
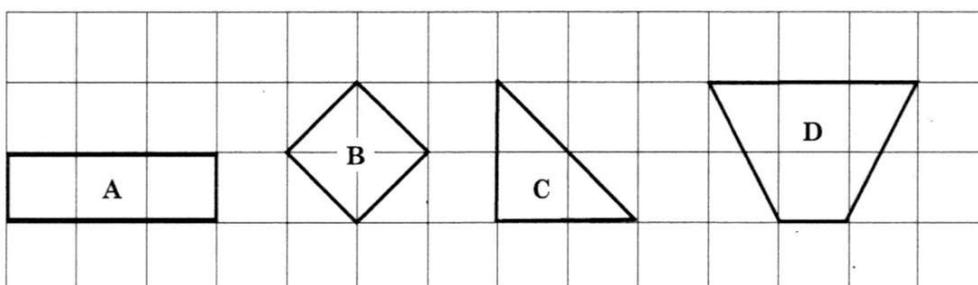

Answer _____ and _____

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 _____

DO NOT WRITE HERE	K (3)		A (0)		R (0)		TOTAL (3)	

18. The pictograph below shows the pets owned by 90 children.

PETS OWNED
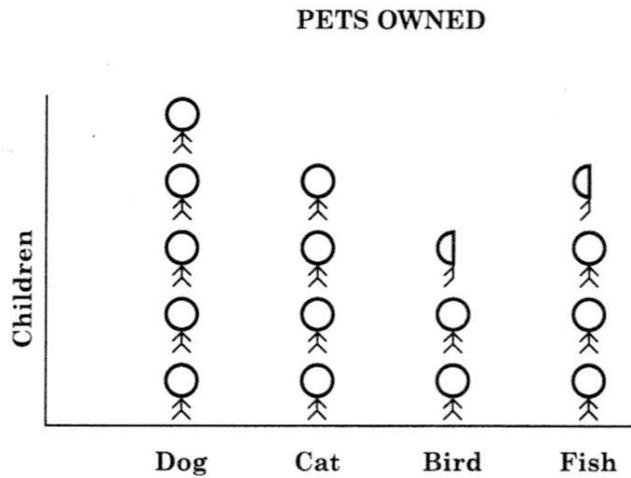
How many children does ♀ represent?

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 _____

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)**

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?
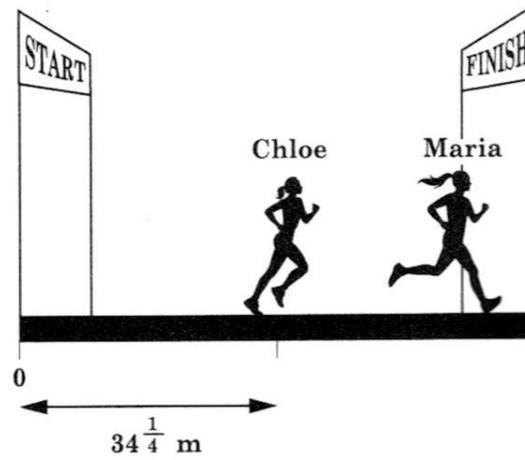
Answer _____ tins   **(2 marks)**

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	Folder	Pen
$8.00	$30.00	$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
TOTAL		$99.00

(3 marks)

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

$$0.8 + 0.2 = \boxed{}$$

Kate wrote $\quad 0.8 + 0.2 = \boxed{0.1}$

Priya wrote $\quad 0.8 + 0.2 = \boxed{1.0}$

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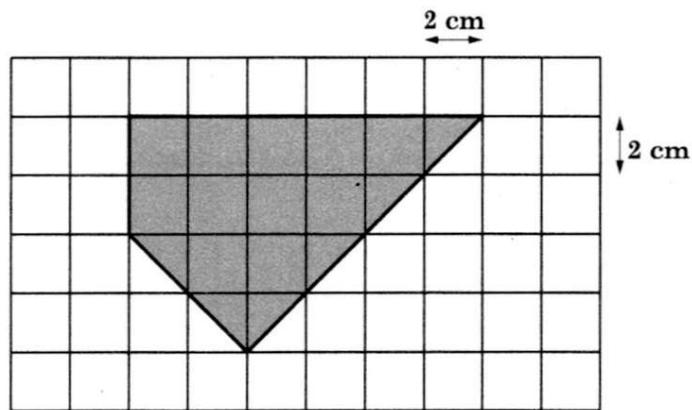
Day	1	2	3	4	5	6
Number of Avocados Sold	60	66	73	81		

How many avocados were sold **altogether** for the 6 days?
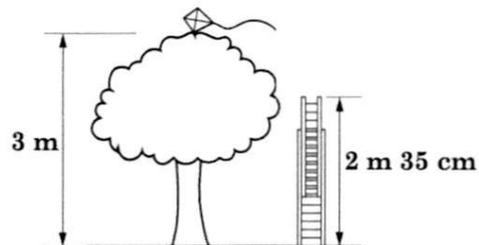
Answer _____ avocados   **(3 marks)**

GO ON TO THE NEXT PAGE

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

2 cm

2 cm

Answer _____ cm²   **(2 marks)**

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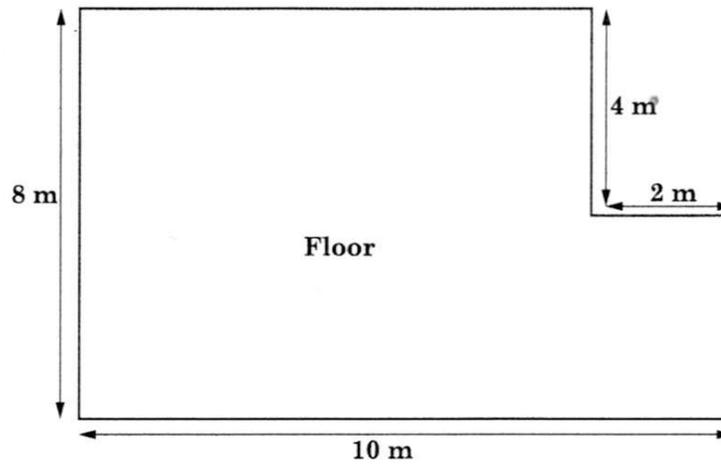
3 m

2 m 35 cm

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

181

A006

Answer _____ cm   **(2 marks)**

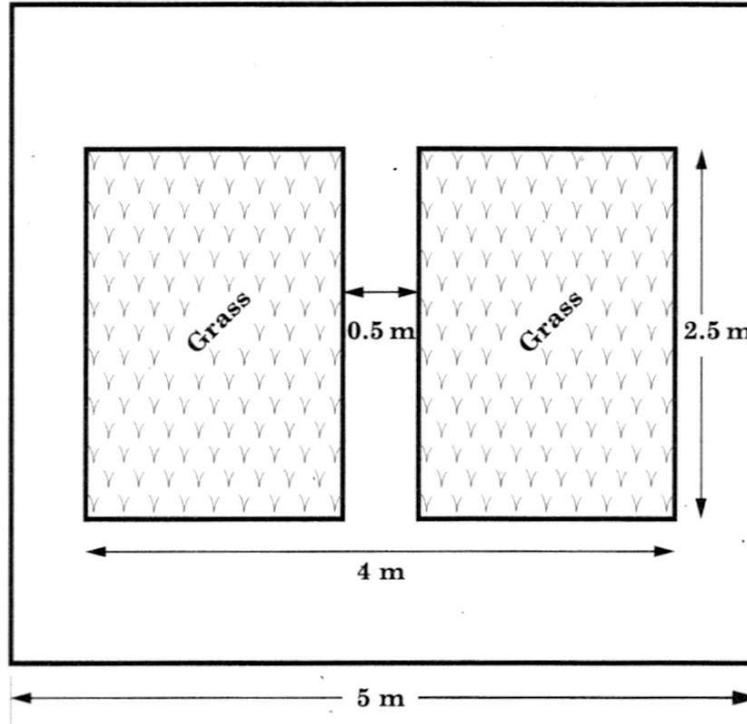**33.**   Mr Deo wants to tile the floor below using square tiles 20 cm in length.

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.
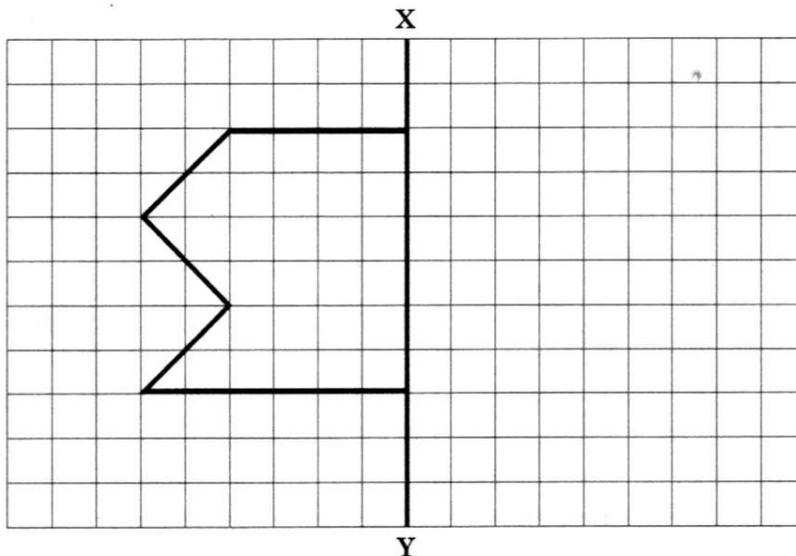

What is the **total** area of the paved section of the yard?
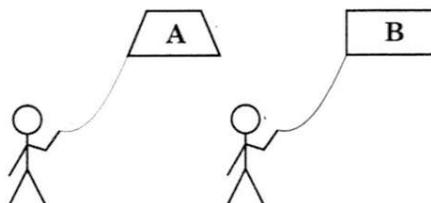
Answer _____ m² (3 marks)

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)

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

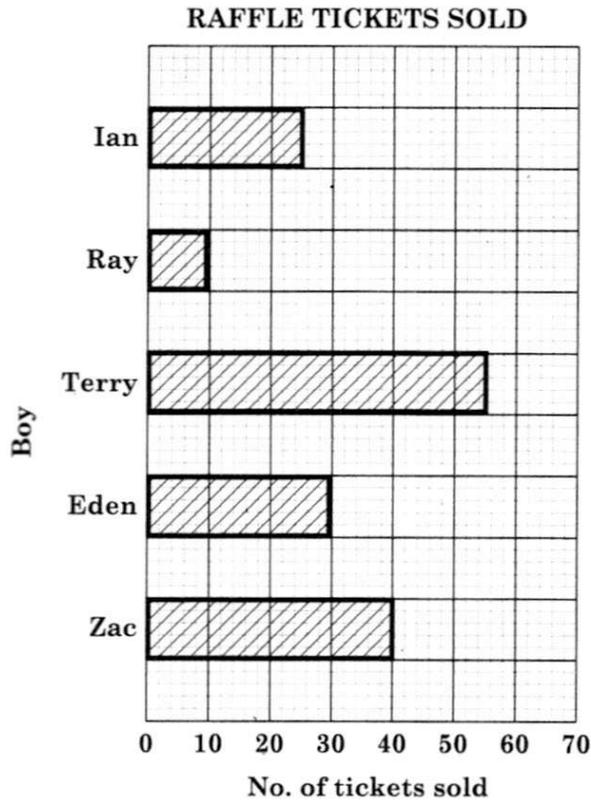| Score	5	10	15	20	25	30
Number of Students	5	7	10	8	6	4

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.

RAFFLE TICKETS SOLD

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 _____

_____

_____

_____

_____

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?

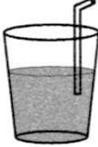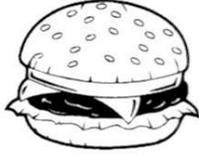Answer _____ marks   **(3 marks)**

DO NOT WRITE HERE	K (0)		A (8)		R (0)		TOTAL (8)	

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.

How many magnets did he buy?

Answer _____ magnets   **(4 marks)**

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

MENU

Fruit Punch $8.00

Burger $24.00

Salads $21.00

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

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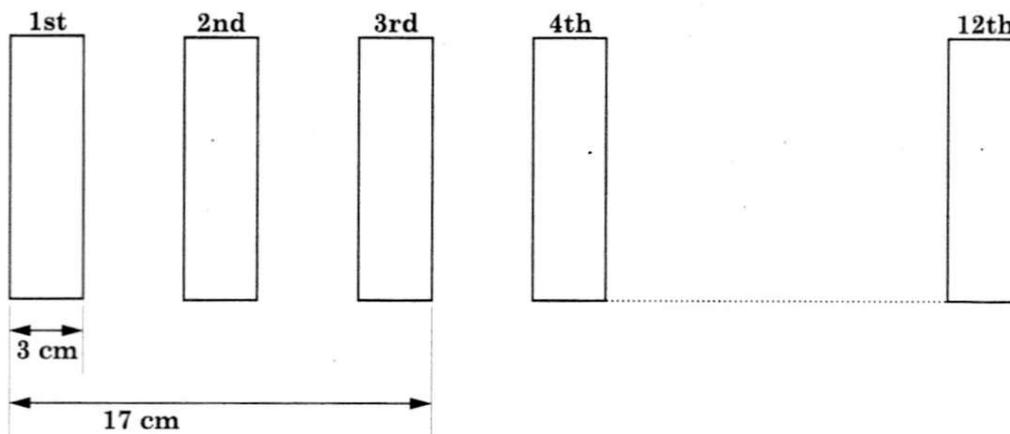
Answer _____ burger(s)

_____ 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 3cm.

1st   2nd   3rd   4th   12th

3 cm

17 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.

1 step   **2 steps**   **3 steps**   **4 steps**
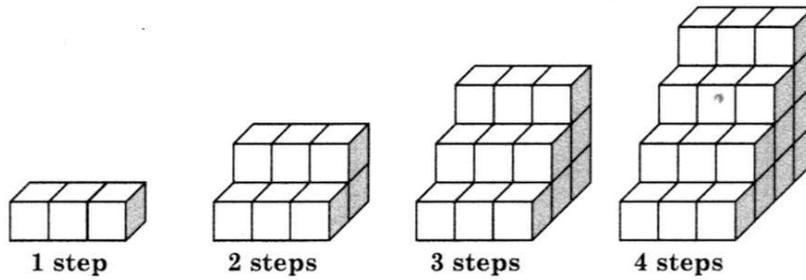
(a) How many cubes will be used to build a staircase with 6 steps?

Answer _____ cubes

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

Answer _____ steps

(4 marks)

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**