TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

2019 PRIMARY 4 SEMESTRAL ASSESSMENT 2

Name _____ ( ) Date: 24 October 2019

Class : Primary 4 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____ Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

Time for Paper 1 is **1 hour.**

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Booklet A	20
Booklet B	40
Total for Paper 1	60

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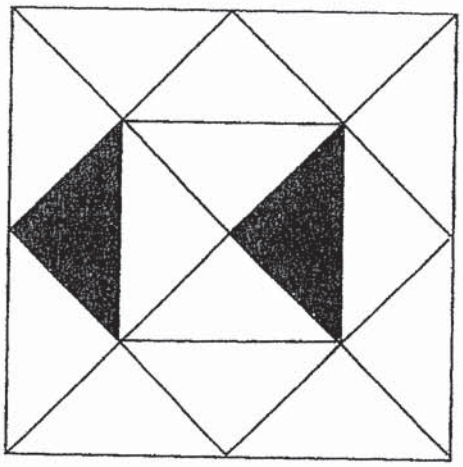
Paper 1 Booklet A
Multiple Choice Questions
Questions **1** to **10** carry 2 marks.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4).
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

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1. The value of the digit 3 in 63 415 is _____.

(1) 30 000
(2) 3000
(3) 300
(4) 30

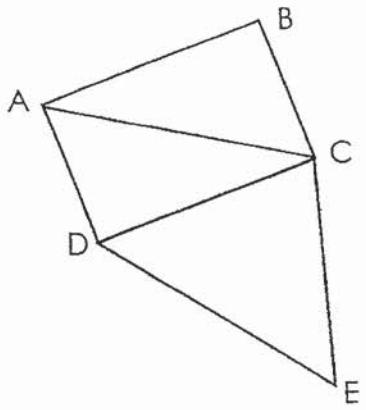
2. The figure shown is made up of identical triangles.
What fraction of the figure is shaded?



(1) $\frac{2}{14}$
(2) $\frac{2}{15}$
(3) $\frac{2}{16}$
(4) $\frac{12}{16}$

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3. In the figure, which two lines below are perpendicular?



(1) AB and BC

(2) AD and BC

(3) CD and DE

(4) AC and CE

4. 64 is **not** a multiple of _____.

(1) 6

(2) 2

(3) 8

(4) 4

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5 Which of the following figures has perpendicular lines?

(1) M

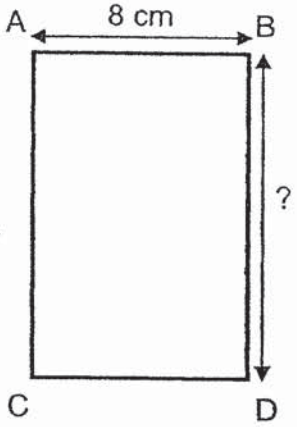
(2) A

(3) Z

(4) E

( )

6. The perimeter of rectangle ABCD is 40 cm.
Given that AB is 8 cm, find the length of BD.



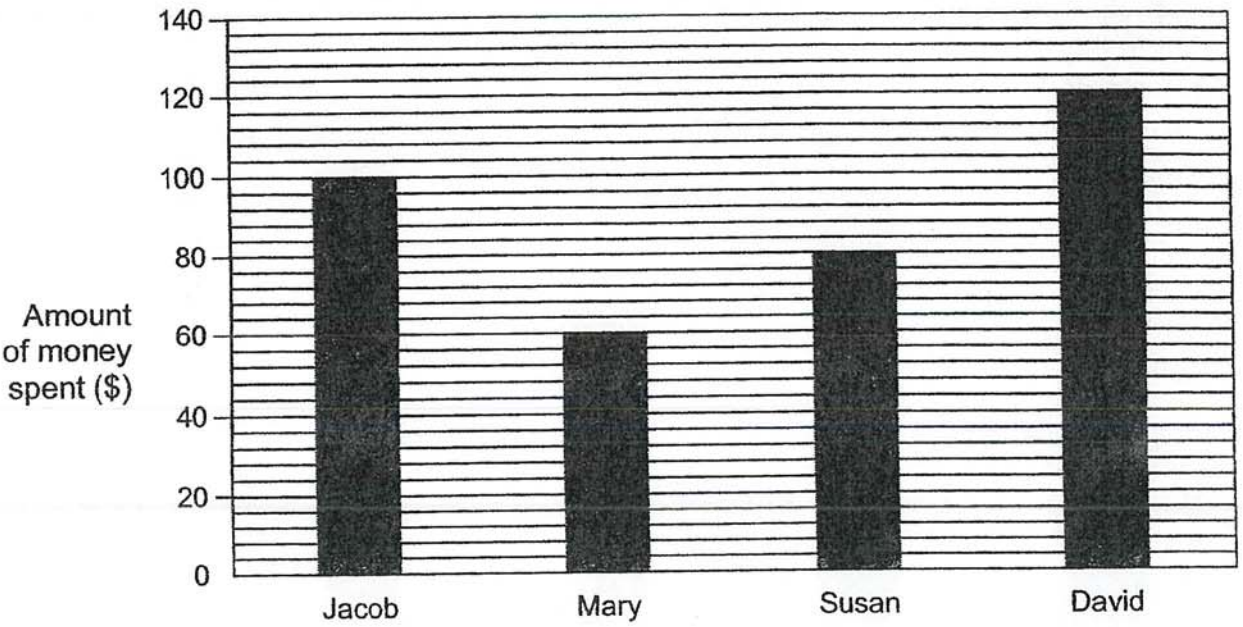
(1) 5 cm
(2) 12 cm
(3) 16 cm
(4) 32 cm

( )

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7. The bar graph below shows the amount of money spent by 4 children.



Name the child/children who spent more than $80?

(1) Susan
(2) Mary and Susan
(3) Jacob and David
(4) Susan, Jacob and David ( )

8. Marie had 270 stickers. She gave $\frac{3}{10}$ of her stickers to her sister.
How many ~~stamps~~ stickers did Marie have left?

(1) 27
(2) 81
(3) 90
(4) 189 ( )

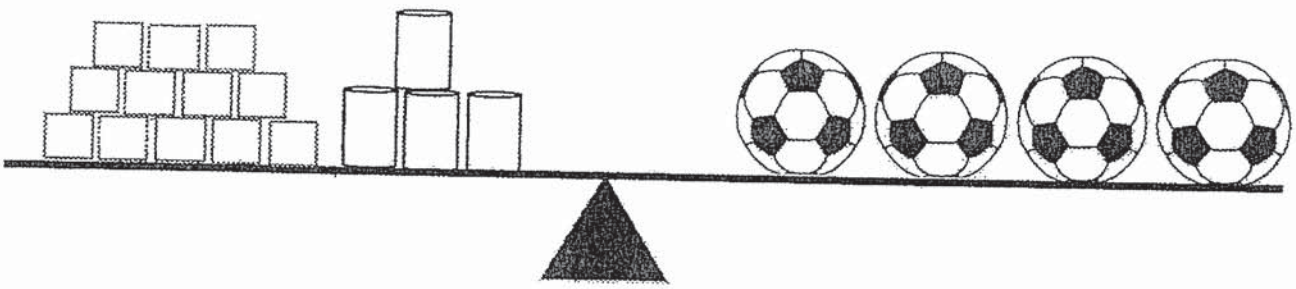
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9. Amir had \$30. He used $\frac{2}{5}$ of his money to buy an alarm clock.

How much money had he left?

(1) \$6
(2) \$12
(3) \$15
(4) \$18

10. The total mass of 12 cubes and 4 cans is equal to the mass of 4 balls. How many balls weigh as much as 18 cubes and 6 cans?



(1) 6
(2) 2
(3) 3
(4) 8

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Paper 1 (Booklet B)

Short Answer Questions

Questions 11 to 30 carry 2 marks each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

11. Write twenty thousand and ninety-two in figures.

12. Arrange the following numbers from the smallest to the greatest.

3806 , 3068 , 3680

(smallest) , , (greatest)

13. What is the value of $\frac{5}{12} + \frac{3}{4}$?

Express your answer as a mixed number in the simplest form.

14. Round 16.55 to the nearest whole number.

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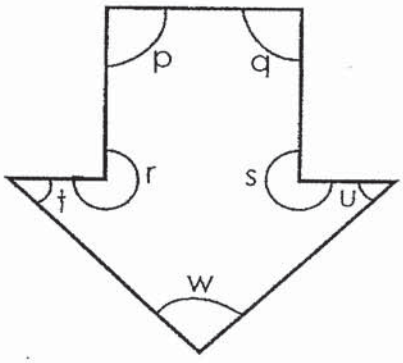
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15. $0.\dot{7} = \frac{7}{\boxed{?}}$

What is the missing number in the box ?

16. Some factors of 32 are 1, 2, 4, and 32.
What are the other two factors of 32?

17. In the figure below, name the two angles that are smaller than 90 ° .

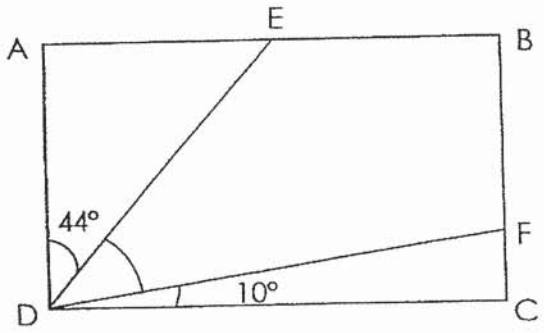


∠ _____ and ∠ _____

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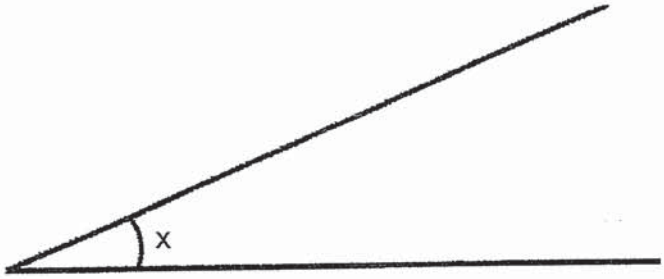
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18. In the figure shown, ABCD is a rectangle. Find ∠ FDE.



°

19. Measure and write down the size of ∠ x.

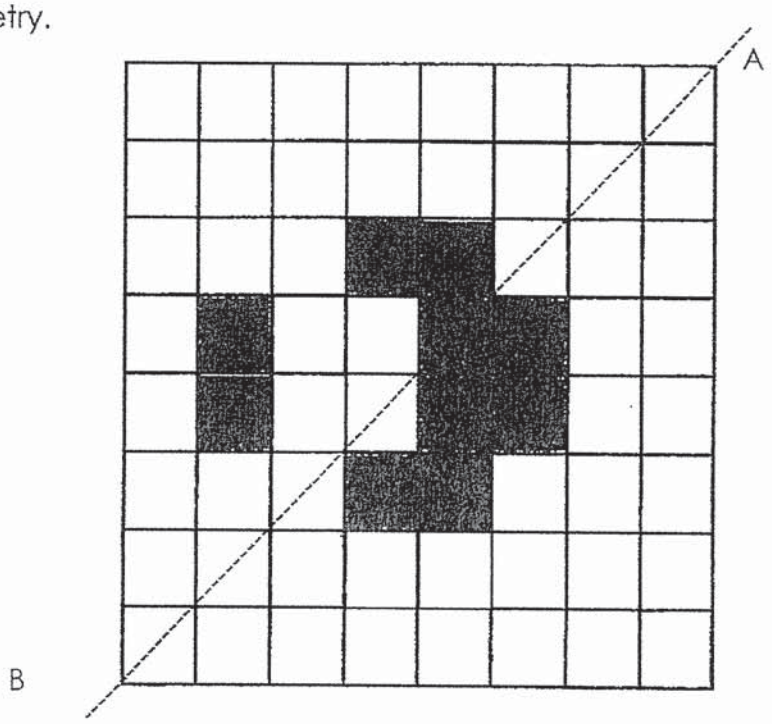


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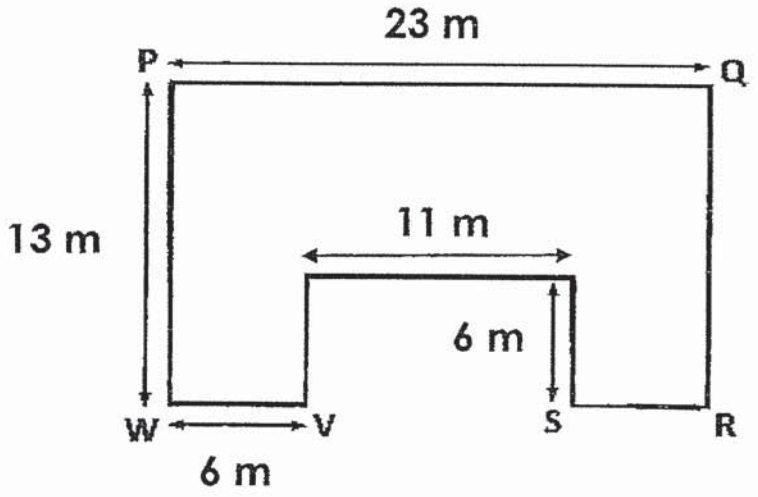
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20. Colour 5 more squares to complete the figure using Line AB as the line of symmetry.



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21. Find the perimeter of the figure below.



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22. A baby drinks 0.96 ℓ of milk a day.
How much milk does he drink in 4 days?
Give your answer in $m\ell$.

$m\ell$

23. Hashim needs 7 m of cloth to make some curtains. The cost of 1 m of cloth is \$2.50 while 2 m of the same cloth costs \$4. What is the least amount of money needed to pay for 7 m of cloth?

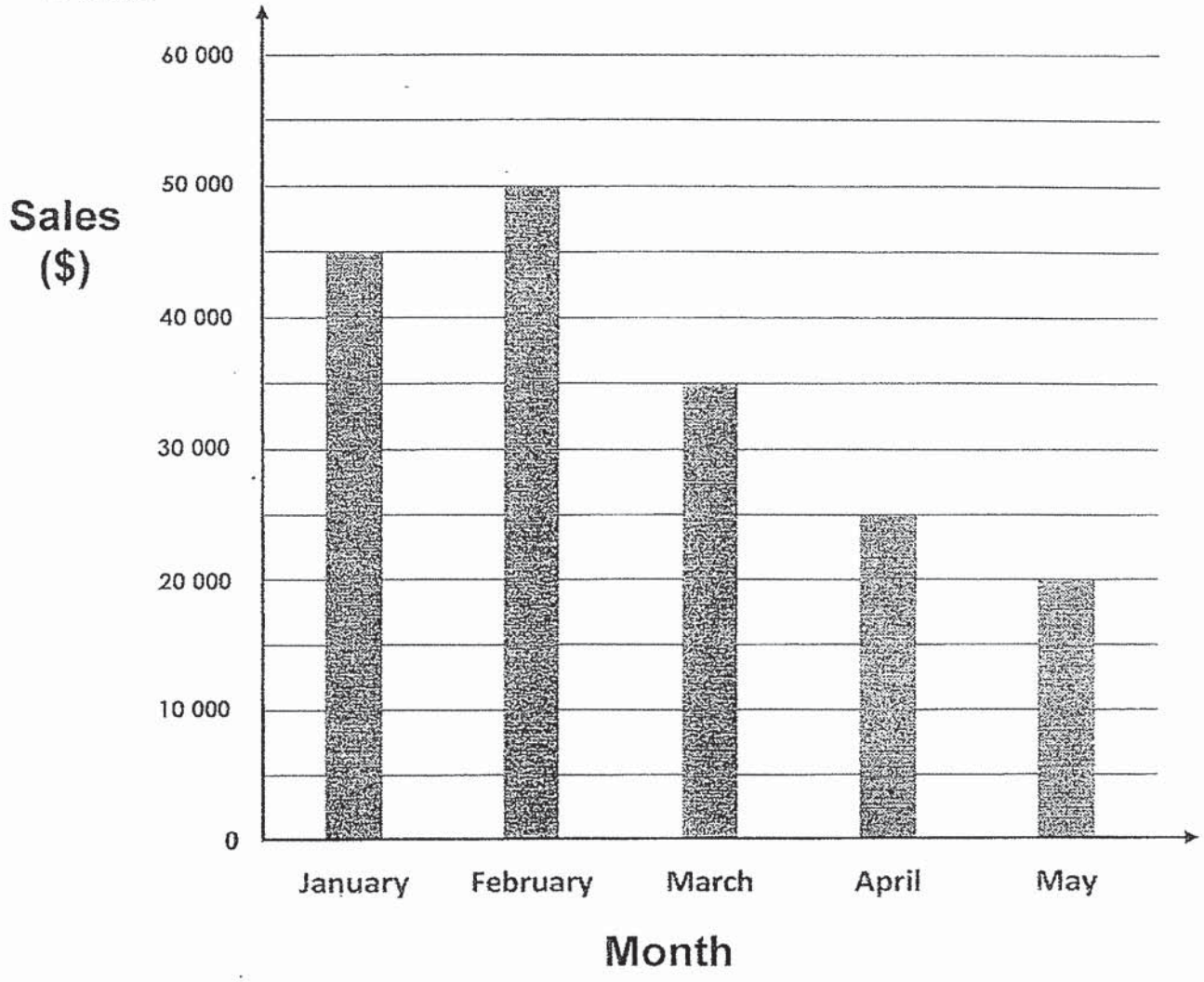
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Use the bar graph below to answer **questions 24 to 26.**

The bar graph shows the monthly sales of computers of a shop from January to May.



24. Complete the table to show the information in the bar graph.

Month	January	February	March
Sales ($)	$	$50 000	$

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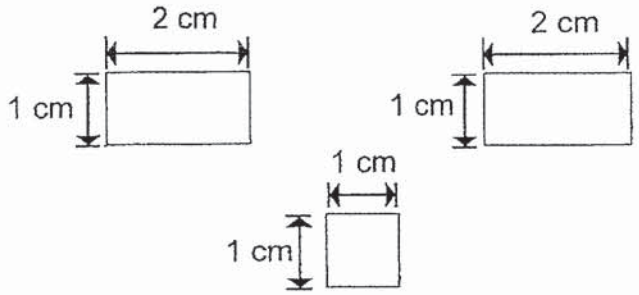
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25. What was the difference in the sales between April and May?

$

26. In which month was the sales twice that of April?

27. I want to form a square of sides 3 cm.
Using all the shapes below, how many more 1-cm squares are needed? (There should be no overlapping of shapes.)



_____ more squares

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28. The product of two different numbers is 42.
The sum of the two numbers is 17. What are the two numbers?

_____ and _____

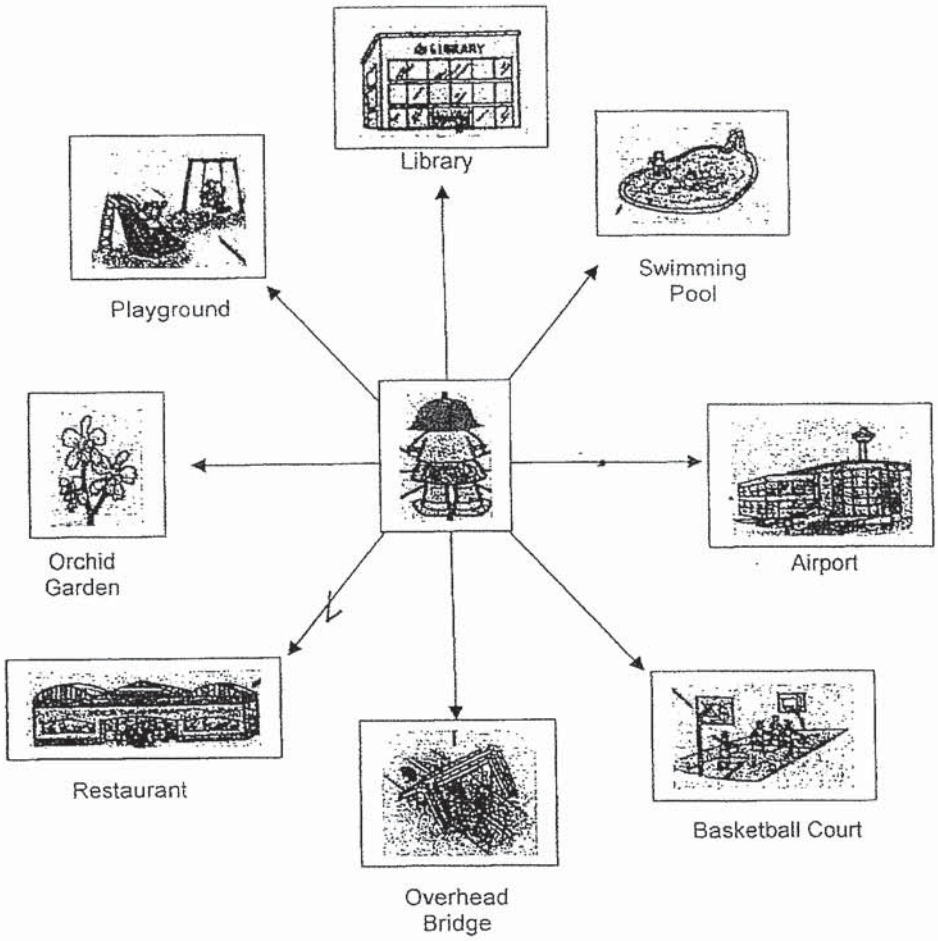
29. Mrs Soong and Mrs Nathan meet each other at the market frequently. Mrs Soong goes to the market every 2 days and Mrs Nathan goes to the market every 3 days. Both of them met at the market on 2nd October. How many more times will they meet at the market in the month of October?

OCTOBER 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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30. Janet stands in the middle of an open field and faces the library. If she makes a $\frac{1}{4}$ – turn in a clockwise direction and then a [ ]° turn in an anti-clockwise direction, she will face the restaurant. How many degrees must she turn in the anti-clockwise direction?



[ ]°

End of Paper 1

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2019 PRIMARY 4 SEMESTRAL ASSESSMENT 2

Name _____ ( ) Date: 24 October 2019

Class: Primary 4 ( ) Time: 11 a.m. – 12 p.m.

Parent's Signature: _____

MATHEMATICS

PAPER 2

/ 40

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. . The duration for Paper 2 is 1 hour.

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Questions 1 to 10 carry 4 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

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1. Susie packed 154 assorted muffins equally into 8 boxes and had some muffins left. Each box had an equal number of muffins.

   a) How many muffins were there in each box?

   b) How many muffins were left?

   a) There were _____ muffins in each box.

   b) _____ muffins were left.

   Ans: a)_____ (3)

   b)_____ (1)

---

2. Tom bought 3 pens that costs $5.85 each. He gave the cashier $20.

   a) How much change did he receive?

   b) Round your answer to the nearest dollar.

   a) He received _____ change.

   b) The answer when rounded to the nearest dollar is _____.

   Ans: a)_____ (3)

   b)_____ (1)

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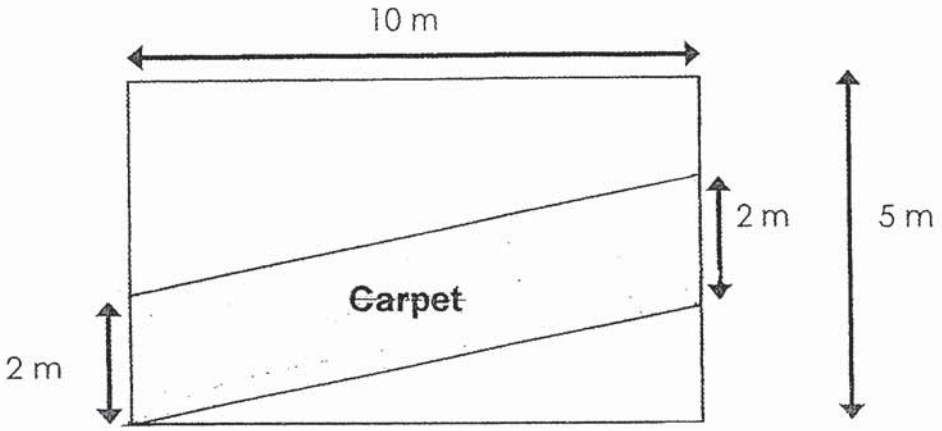
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3. A room, not drawn to scale, measures 10 m by 5 m.

A carpet is laid as shown below.

Find the area of the floor **not** covered by the carpet.



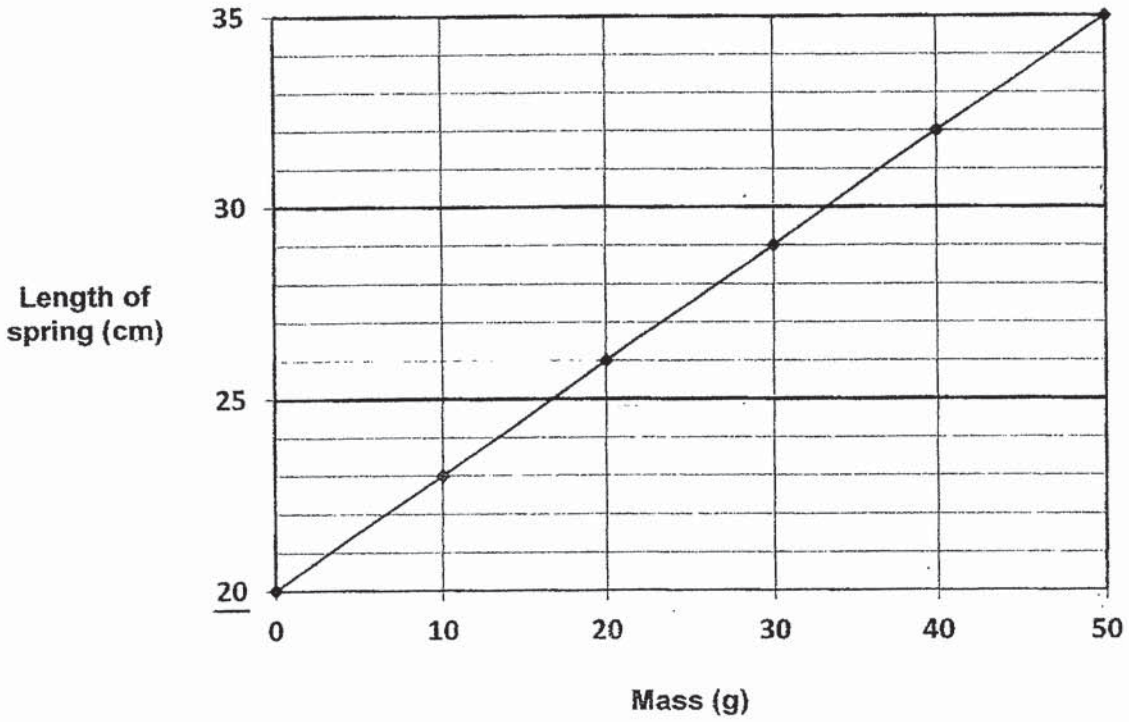
The area of the floor not covered by the carpet is _____.

Ans: _____ (4)

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4. The line graph shows the length of a spring when various masses are hung on it.



a) What is the length of the spring when a 40 g mass is hung on it ?

Ans: a) _____ (1)

b) What is the mass hung on the spring when its length is 26 cm ?

Ans: b) _____ (1)

c) What is the length of the spring when it is not stretched ?

Ans: c) _____ (1)

d) How many centimetres is the spring stretched after a mass of 50 g is hung on it ?

Ans: d) _____ (1)

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5. Bala started his exercise programme on Monday.

Each day, he ran 0.48 km more than the day before.

On Thursday, he ran 3.44 km.

a) What was the distance Bala ran on the fifth day?

b) What was the total distance Bala ran from Monday to Thursday?

a) The distance Bala ran on the fifth day was _____.

b) The total distance Bala ran from Monday to Thursday was _____.

Ans: a) _____ (1)

b) _____ (3)

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6. A box was filled with 150 table-tennis balls.

$\frac{3}{5}$ of the table-tennis balls were orange, 25 table-tennis balls were white and the rest were pink.

a) How many table-tennis balls were orange?

b) How many pink table-tennis balls were in the box?

a) _____ table-tennis balls were orange.

b) _____ pink table-tennis balls were in the box.

Ans: a)_____ (2)

b)_____ (2)

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7. Bookstore A had 16 240 books for sale. Bookstore B had 9892 books for sale. After the same number of books were sold from each bookstore, the number of books left unsold at Bookstore A was 4 times the number of books left unsold at Bookstore B.

How many books were sold from each bookstore?

_____ books were sold from each bookstore.

Ans:_____(4)

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8. Mother needed 1 egg and 2 slices of bread to make 1 sandwich.
There were 6 eggs in a tray and 10 slices of bread in a loaf.
Mother made some sandwiches with **no** ingredients left over.

a) Find the **least** number of loaves of bread needed.

b) How many sandwiches did Mother make?

a) The least number of loaves of bread needed is _____.

b) Mother made_____sandwiches.

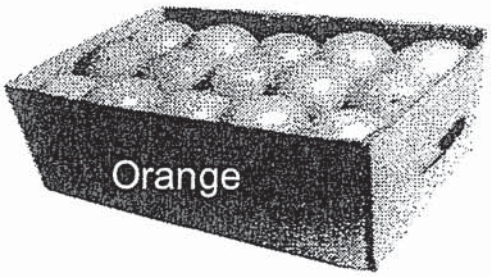
Ans: a)_____ (2)

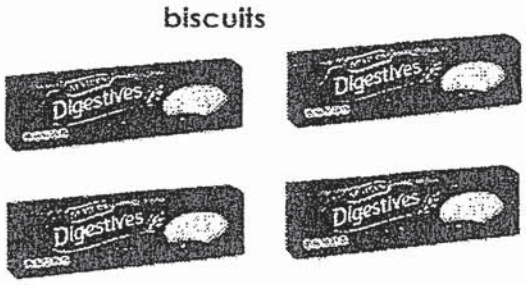
b)_____ (2)

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9. The total mass of 1 box of oranges and 4 packets of biscuits is 8 kg.
The total mass of 1 box of oranges and 3 packets of biscuits is 7700 g.
What is the mass of 1 box of oranges? Give your answer in kilograms.





The mass of 1 box of oranges is _____.

Ans: _____ (4)

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10. Study the pattern below.

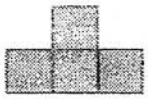


Figure 1

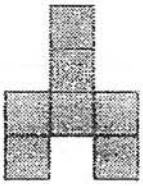


Figure 2

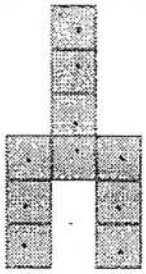
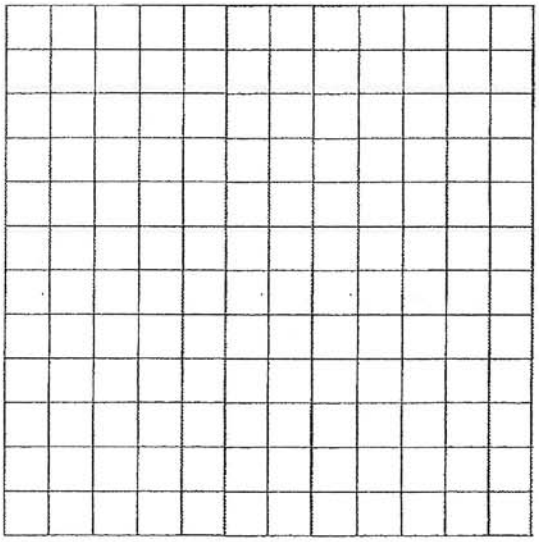


Figure 3

(a) Draw and shade **Figure 4** in the square grid below. (1)



(c) Which figure has 139 squares?

Figure_____ has 139 squares.

b) How many squares form **Figure 5** ? (1)

Figure	**1**	**2**	**3**	...	**5**
Number of squares	4	7	10		

c) **Figure** _____ (2)

End of Paper 2

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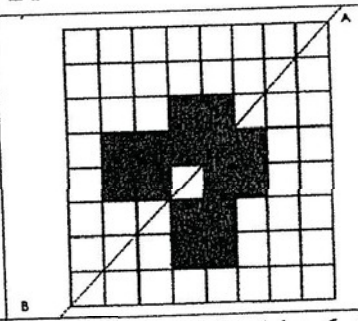
ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

PAPER ONE : BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	1	1	4	2	3	4	4	1

PAPER ONE : BOOKLET B

Q11	20 092
Q12	Smallest [3068 , 3680 , 3806] greatest
Q13	$\frac{5}{12}+\frac{3}{4}=\frac{5}{12}+\frac{9}{12}=1\frac{1}{6}$
Q14	17
Q15	10
Q16	8 and 16
Q17	<u and <t
Q18	90° – 44° – 10° =36°
Q19	24°
Q20	
Q21	23 + 13 + 6 + 6 + 11 + 6 + 6 +13 = 84m
Q22	0.96*l* = 960*ml* 960 x 4 = 3840*ml*
Q23	7 ÷ 2 = 3 R 1 3 x $4 = $12 1 x $2.50 = $2.50 12 + 2.50 = $14.50
Q24	Month | January | February | March Sales ($) | $45 000 | $50 000 | $35 000
Q25	25000 – 20000 = $5000
Q26	25000 x 2 = $50000 Answer : February

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Q27	4 more squares.
Q28	3 x 14 = 42 3 + 14 = 17 Answer: 3 and 14
Q29	4 more times
Q30	225°

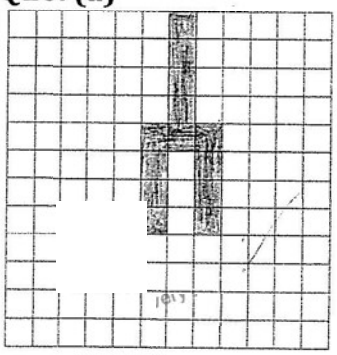
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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

Q1. (a) 19 muffins
(b) 2 muffins
Q2. (a) $2.45
(b) $2
Q3. 30m²
Q4. (a) 32cm
(b) 20g
(c) 20cm
(d) 15cm
Q5. (a) 3.92km
(b) 10.88km
Q6. (a) 90 table tennis balls
(b) 35 table tennis balls
Q7. 7776 books
Q8. (a) 6 loaves
(b) 30 sandwiches
Q9. 6.8kg
Q10. (a)



(b) 16 squares
(c) figure 46

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and.

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