



2018 PRIMARY 4 SEMESTRAL ASSESSMENT 2

Name : _____ () Date: 24 October 2018

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

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)

1. In which of the following numbers does the digit 8 stand for 800?

(1) 2586

(2) 5268

(3) 6825

(4) 8652

2. The figure shown is made up of identical squares.

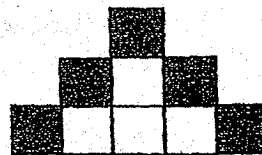
What fraction of the figure is shaded?

(1) $\frac{5}{8}$

(2) $\frac{4}{9}$

(3) $\frac{4}{5}$

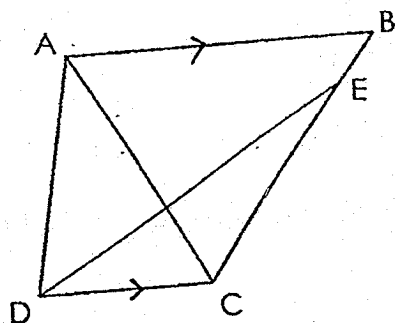
(4) $\frac{5}{9}$



3. What is the number when 882.62 is rounded to 1 decimal place?

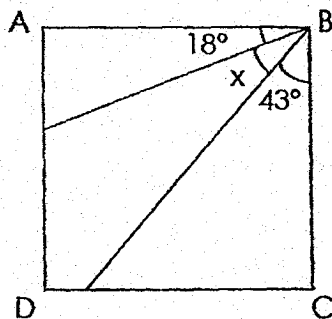
- (1) 882.0
- (2) 882.6
- (3) 882.7
- (4) 883.0

4. One of the lines in the figure is parallel to DC.
Which line is parallel to DC?



- (1) AB
- (2) DE
- (3) AC
- (4) DA

5. In the figure shown, ABCD is a square. Find $\angle x$.



- (1) 29°
- (2) 47°
- (3) 61°
- (4) 72°

6. Arrange the following fractions from the greatest to the smallest.

$$\frac{1}{4}, \quad \frac{5}{6}, \quad \frac{7}{12}$$

- | | (greatest) | | | | (smallest) |
|-----|----------------|---|----------------|---|----------------|
| (1) | $\frac{5}{6}$ | , | $\frac{1}{4}$ | , | $\frac{7}{12}$ |
| (2) | $\frac{7}{12}$ | , | $\frac{5}{6}$ | , | $\frac{1}{4}$ |
| (3) | $\frac{1}{4}$ | , | $\frac{5}{6}$ | , | $\frac{7}{12}$ |
| (4) | $\frac{5}{6}$ | , | $\frac{7}{12}$ | , | $\frac{1}{4}$ |

7. Bala left school and took 40 min to walk home.

He reached home at 14 30. What time did he leave school?

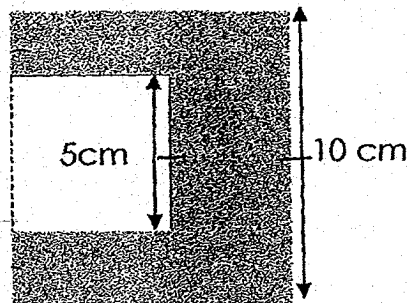
- (1) 15 10
- (2) 14 50
- (3) 14 00
- (4) 13 50

8. Mr Chang sold 4 times as many curry puffs on Sunday than on Monday.

If he sold 1608 curry puffs on Sunday, how many curry puffs did he sell on Monday?

- (1) 42
- (2) 402
- (3) 6402
- (4) 6432

9. A small square of side 5 cm is cut out from a big square of side 10 cm as shown below. What is the perimeter of the shaded figure?



- (1) 35 cm
 - (2) 45 cm
 - (3) 50 cm
 - (4) 75 cm
10. Jun Jie spent $\frac{3}{5}$ of his money and had \$210 left.
How much money did he have at first?

- (1) \$70
- (2) \$105
- (3) \$350
- (4) \$525

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. $49\,703 = 40\,000 + 9000 + \underline{\hspace{2cm}} + 3$

What is the missing number?

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

849 , 984 , 948 , 498

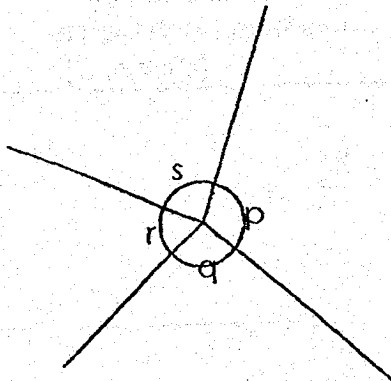
(greatest)

(smallest)

13. $\frac{3}{4} + \frac{1}{8} = \underline{\hspace{2cm}}$

14. $8.7 - 0.89 = \underline{\hspace{2cm}}$

15. In the figure below, name the smallest angle.



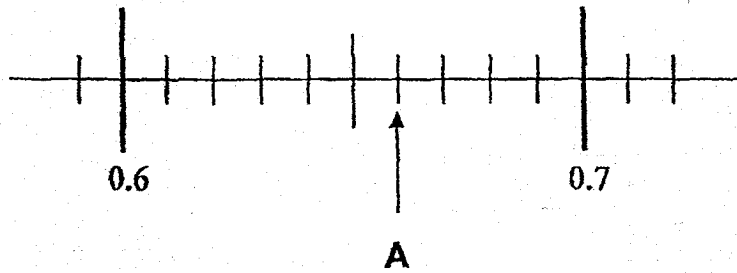
∠

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

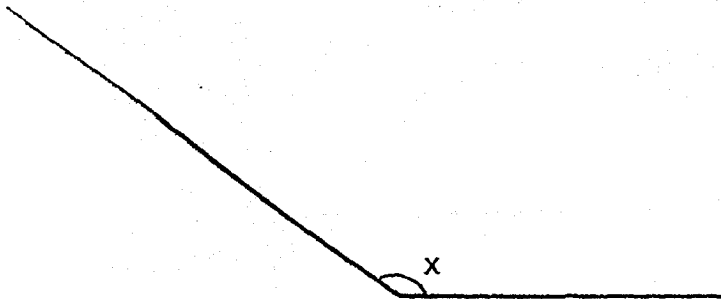
17. $\frac{3}{4} = \frac{9}{\square}$

What is the missing number in the $\square$ above ?

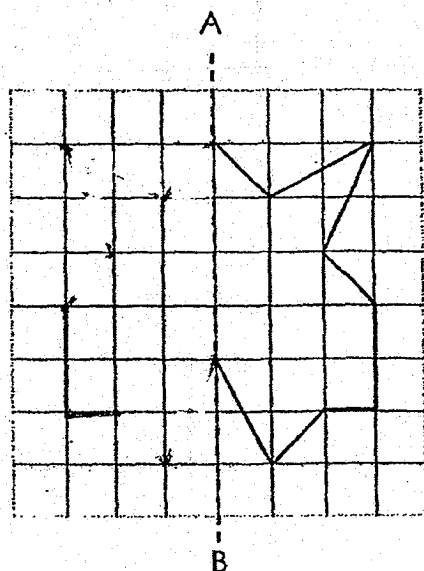
18. Write the decimal represented by A.



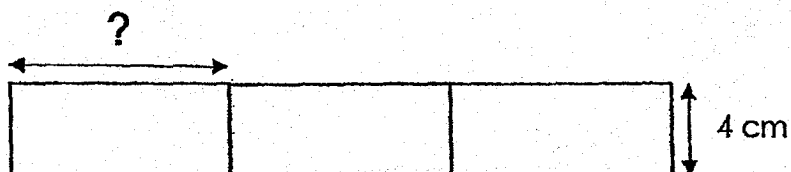
19. Measure and write down the size of $\angle x$.



20. Complete the figure using Line AB as the line of symmetry.



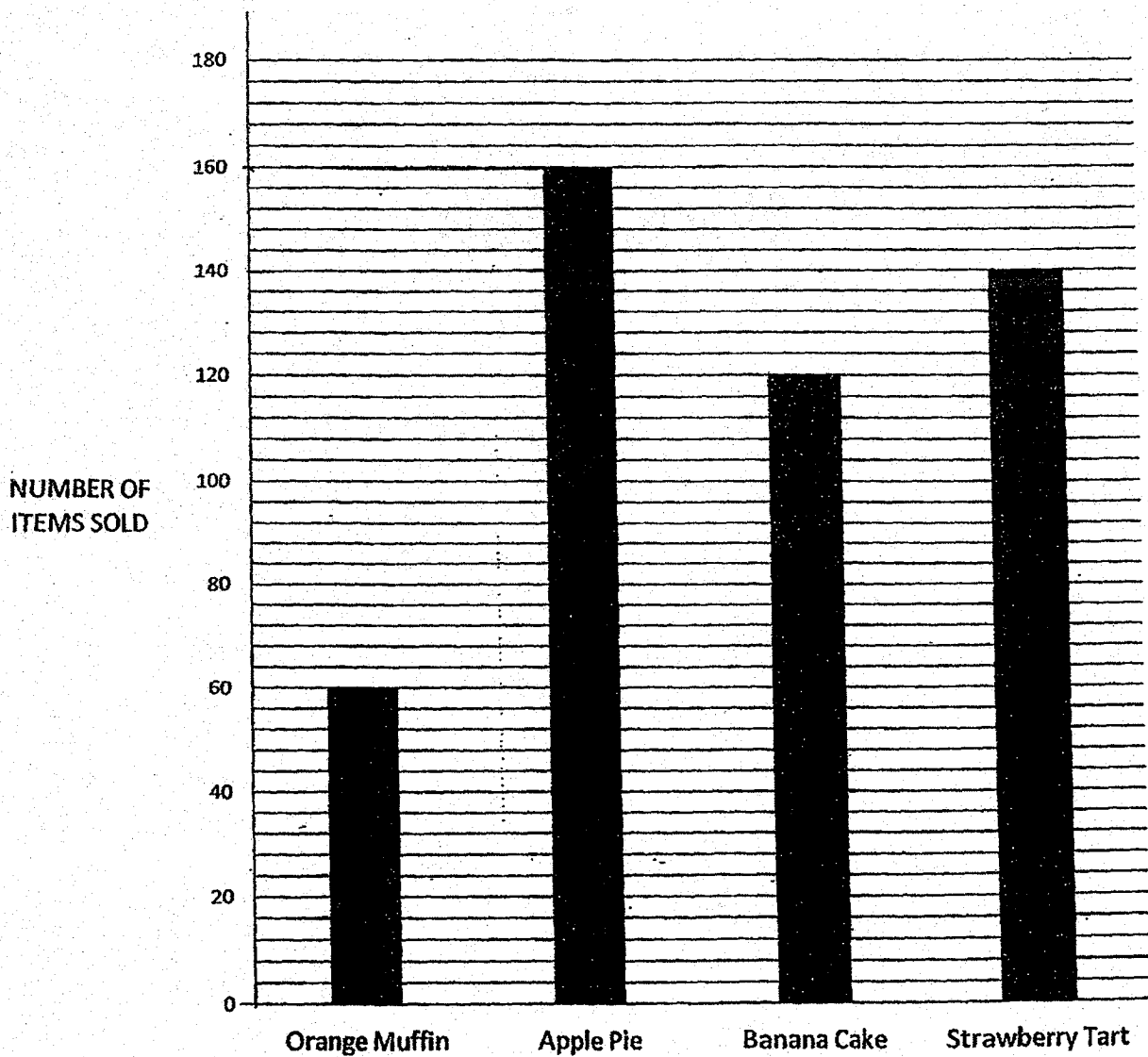
21. The figure is made up of 3 identical rectangles.
The total area is 108 cm^2 .
Find the length of one rectangle.



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Use the bar graph below to answer questions 22 to 24.

The bar graph shows the number of items sold at a bakery last week.

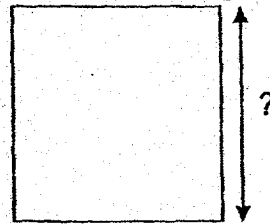
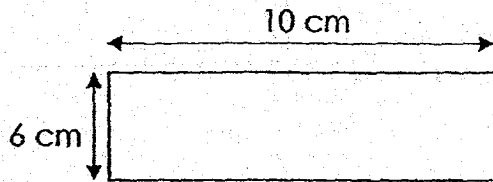


22. Which was the most popular item sold at the bakery?

23. A total of _____ banana cakes and orange muffins was sold.

24. How many fewer strawberry tarts than apple pies were sold?

25. The square has the same perimeter as the rectangle.
What is the length of the square?



26. A bus captain drives 5.33 km a day.
What is the total distance he travels in 6 days?
Correct your answer to 1 decimal place.



27. Jane bought 7 cupcakes. She gave the cashier \$15 and received a two-dollar note, 4 twenty-cent coins and 2 fifty-cent coins as change. How much did each cupcake cost?

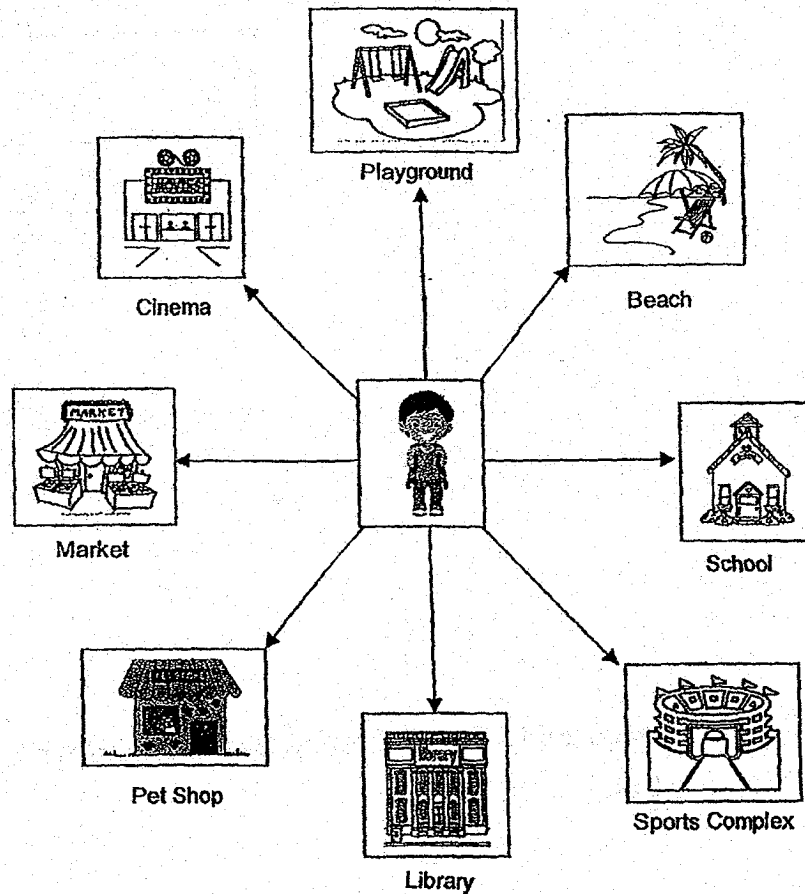
\$

28. The sum of two numbers is 2071. The difference between them is 385. Find the greater number.

29. John is facing the library. He makes a 270° clockwise turn.

Then he makes a $\frac{1}{2}$ -turn in an anti-clockwise direction.

Which place is he facing now?



30. Mr Bala packed 3.5 kg of nuts into 1 big bag and 4 small bags.

The big bag contained 0.9 kg of nuts. How many grams of nuts did each small bag contain?

g

End of Paper 1



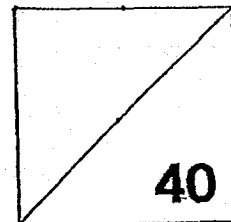
2018 PRIMARY 4 SEMESTRAL ASSESSMENT 2

Name: _____ () Date: 24 October 2018

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

Parent's Signature: _____

MATHEMATICS PAPER 2



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.

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)

1. Mr Goh bought a watermelon and 6 mangoes for \$39.50.

A watermelon cost \$1.35 more than a mango.

How much did a mango cost?

A mango cost _____.

Ans: _____ (4)

2. A tank has a capacity of 6 litres. A bucket can hold 1 l 25 ml of water.

Madam Aisha pours 4 such buckets of water into the tank.

How many more litres of water are needed to fill the tank?

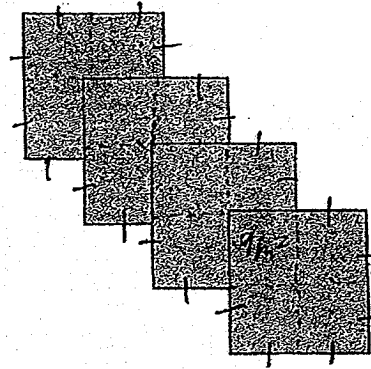
_____ more water are needed to fill the tank.

Ans: _____ (4)

3. Four identical squares of length 6 m overlap each other as shown.
Each side of the square crosses another at the centre of the side of the square.

a) Find the area of the figure.

b) Find the perimeter of the figure?



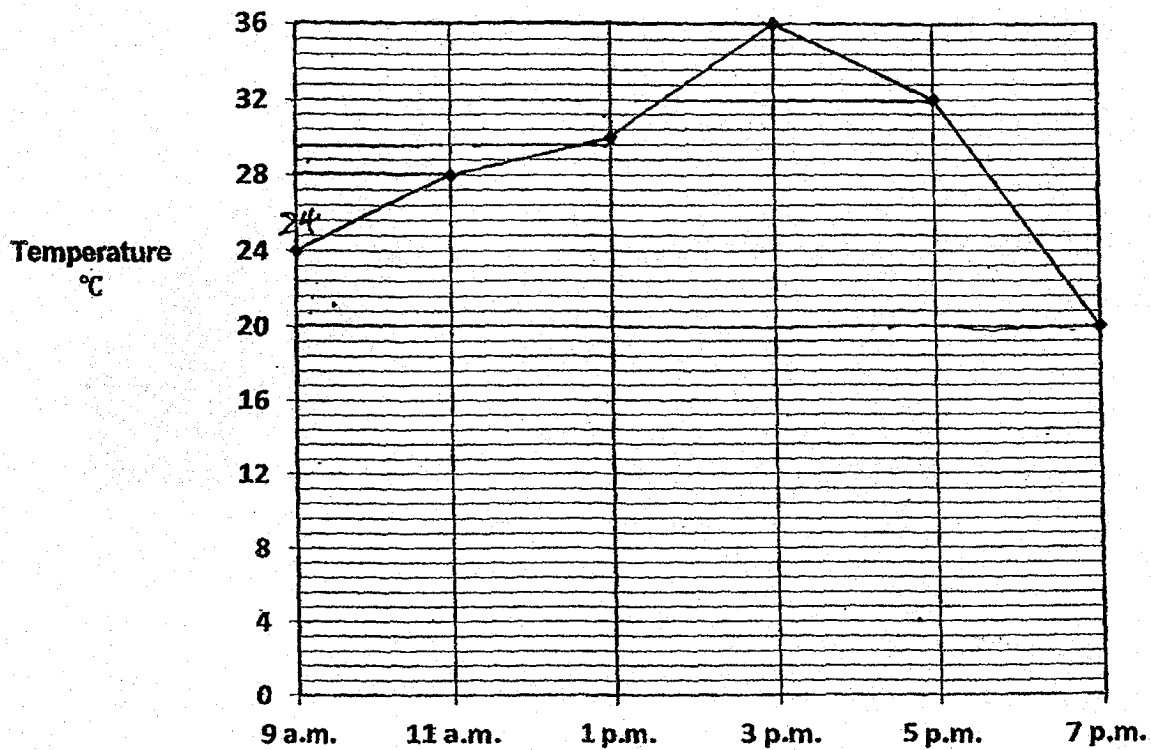
(a) The area is _____.

(b) The perimeter is _____.

Ans: a) _____ (2)

b) _____ (2)

4. The line graph shows the change in temperature between 9 a.m. and 7 p.m.



- a) What was the temperature recorded at 5 p.m.?

Ans: a) (1)

- b) During which 2-hour period was the increase in temperature the greatest?

Ans: b) (1)

- c) What was the difference between the lowest temperature and the highest temperature recorded?

Ans: c) (2)

5. Karen had \$50. She bought 6 pens at \$1.85 each.
After buying 2 identical files, she had \$21 left.

- a) How much did Karen pay for 6 pens?
b) How much did each file cost?

(a) Karen paid _____ for 6 pens.

(b) Each file cost _____.

Ans: a) _____ (1)

b) _____ (3)

6. Mr Lim is 34 years old and his son is 2 years old.
In how many years' time will their ages add up to 50 years?

Their ages will add up to 50 years in _____ years' time.

Ans: _____ (4)

7. Mrs Zara baked 2000 cookies.

She packed them into packets of 2 cookies and 6 cookies.

There was an equal number of packets of 2 cookies and 6 cookies.

How many packets of cookies did she pack altogether?

She packed _____ packets altogether.

Ans: _____ (4)

8. There were some buttons in a box.

$\frac{2}{3}$ of the buttons were yellow, $\frac{1}{8}$ of the them were red and the rest were blue.

There were 18 more blue buttons than red buttons.

a) What fraction of the buttons were blue?

b) How many buttons were in the box?

(a) _____ of the buttons were blue.

(b) There were _____ buttons in the box.

Ans: a) _____(1)

b) _____(3)

9. Lucas had some cards.

If he gave 7 cards to each of his friends, he would be short of 4 cards.

If he gave 6 cards to each of them, he would have 3 cards left.

a) How many cards did Lucas have?

b) How many friends did Lucas give the cards to?

(a) He had _____ cards.

(b) He gave the cards to _____ friends.

Ans: a) _____ (2)

b) _____ (2)

10. Study the pattern below.

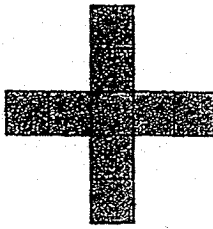


Figure 1

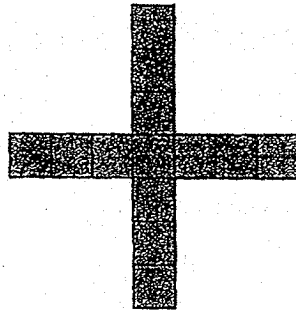


Figure 2

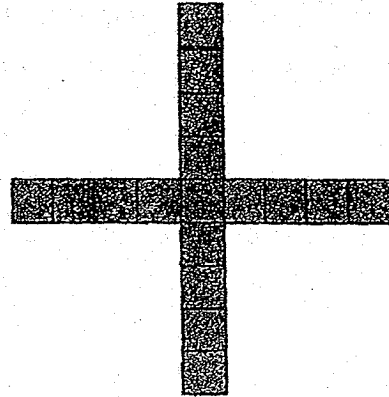
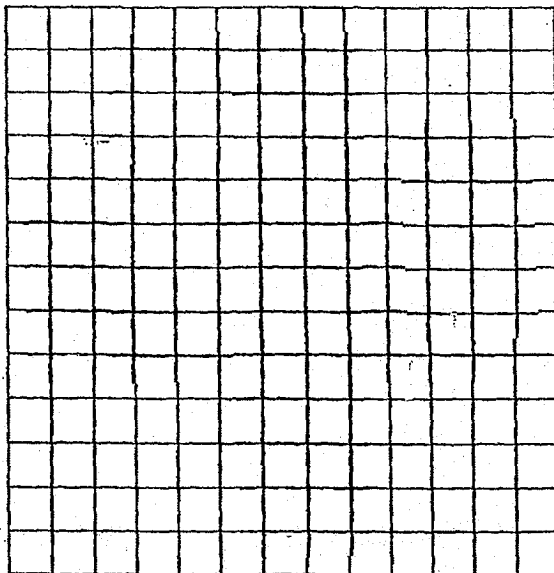


Figure 3

(a) Complete the table.

Figure	1	2	3
Number of Squares	9		

(b) Draw and colour **Figure 4** in the square grid below.



(c) Which figure has 93 squares?

Ans: **Figure** _____ (2)

SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2018 SA2

PAPER 1 BOOKLET A

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

PAPER 1 BOOKET B

Q11) 700

Q12) 984 , 948 , 849 , 498

Q13) $\frac{7}{8}$

Q14) 7.81

Q15) r

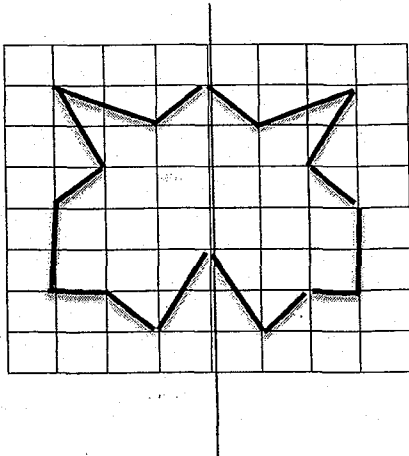
Q16) 8 and 16

Q17) 12

Q18) 0.66

Q19) 143°

Q20)



Q21) 9 cm

Q22) Apple Pie

Q23) 180

Q24) 20 strawberry tarts

Q25)	8 cm
Q26)	32.0 km
Q27)	\$1.60
Q28)	1228
Q29)	Market
Q30)	650 g

Paper 2

Q1)	$\$39.50 - \$1.35 = \$38.15$ $\$38.15 \div 7 = \5.4 A mango cost \$5.45
Q2)	$4 \times 1 \text{ L } 25 \text{ ml} = 4 \text{ L } 100 \text{ ml}$ $6 \text{ L} - 4 \text{ L } 100 \text{ ml} = 1 \text{ L } 900 \text{ ml}$ $1 \text{ L } 900 \text{ ml} = 1.9 \text{ L}$ 1.9L more water are needed to fill the tank
Q3)	$6 \text{ m} \times 6 \text{ m} = 36 \text{ m}^2$ $36 \text{ m}^2 \div 4 = 9 \text{ m}^2$ $3 \times 9 \text{ m}^2 = 27 \text{ m}^2$ $36 \text{ m}^2 \times 4 = 144 \text{ m}^2$ $144 \text{ m}^2 - 27 \text{ m}^2 = 117 \text{ m}^2$ $6 \text{ m} \div 2 = 3 \text{ m}$ $3 \text{ m} \times 20 = 60 \text{ m}$ a)The area is 117m ² b)The perimeter is 60 m
Q4)	a)32°C b)1p.m. to 3 p.m. c) $36^\circ\text{C} - 20^\circ\text{C} = 16^\circ\text{C}$
Q5)	$6 \times \$1.85 = \11.10 $\$50 - \$11.10 = \$38.90$ $\$38.90 - \$21 = \$17.90$ $\$17.90 \div 2 = \8.95 a)Karen paid \$11.10 for 6 pens b)Each file cost \$8.95
Q6)	$34 + 2 = 36$ $50 - 36 = 14$ $14 \div 2 = 7$ Their ages will add up to 50 years in 7 years' time
Q7)	$2 + 6 = 8$ $2000 \div 8 = 250$ $250 \times 2 = 500$ She packed 500 packets altogether

Q8) $\frac{2}{3} + \frac{1}{8} = \frac{19}{24}$
 $\frac{24}{24} - \frac{19}{24} = \frac{5}{24}$
 $\frac{5}{24} - \frac{1}{8} = \frac{2}{24} = \frac{1}{12}$
 $18 \times 5 = 90$ (blue)
 $18 \times 12 = 216$
 a) $\frac{5}{24}$ of the buttons were blue
 b) There were 216 buttons in the box

Q9) $4 + 3 = 7$
 $7 - 6 = 1$
 $7 \div 1 = 7$
 $7 \times 7 - 4 = 45$
 $7 \times 6 + 3 = 45$
 a) He had 45 cards
 b) He gave the cards to 7 friends

Q10) a) 13, 17
 b) $2 \times 4 + 1 = 9$ $93 - 9 = 84$
 $3 \times 4 + 1 = 13$ $84 \div 4 = 21$
 $4 \times 4 + 1 = 17$ $21 + 1 = 22$
 $93 - 1 = 92$
 $92 \div 4 = 23$
 $23 - 1 = 22$

