



NAN HUA PRIMARY SCHOOL  
END-OF-YEAR EXAMINATION – 2021  
PRIMARY 5

MATHEMATICS  
PAPER 1  
(BOOKLET A)

Total Time for Booklets A and B: 1 hour

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. The use of calculators is **NOT** allowed.

Name : \_\_\_\_\_ (       )

Class : 5 \_\_\_\_\_

Date : 28 October 2021

Parent's Signature : \_\_\_\_\_

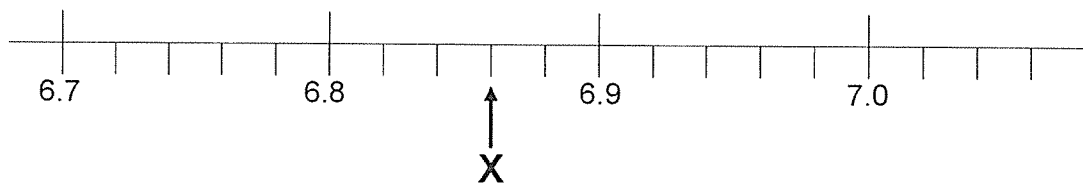
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet (OAS). (20 marks)

1. Arrange the following fractions from the smallest to the largest:

$$\frac{3}{2}, \quad \frac{6}{5}, \quad 1\frac{1}{7}$$

- |     | Smallest         |                  | Largest        |
|-----|------------------|------------------|----------------|
| (1) | $\frac{3}{2}$ ,  | $1\frac{1}{7}$ , | $\frac{6}{5}$  |
| (2) | $\frac{3}{2}$ ,  | $\frac{6}{5}$ ,  | $1\frac{1}{7}$ |
| (3) | $\frac{6}{5}$ ,  | $\frac{3}{2}$ ,  | $1\frac{1}{7}$ |
| (4) | $1\frac{1}{7}$ , | $\frac{6}{5}$ ,  | $\frac{3}{2}$  |
- ( )

2. Part of a scale is shown below. What is the value of the reading at X?

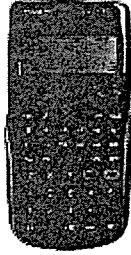


- (1) 6.83  
 (2) 6.86  
 (3) 6.88  
 (4) 7.10
- ( )

3. Find the value of  $40 \div 4 \times (8 - 6)$ .

- (1) 5  
 (2) 20  
 (3) 36  
 (4) 74
- ( )

4. The diagram shows a calculator.  
Which of the following could be the mass of this calculator?

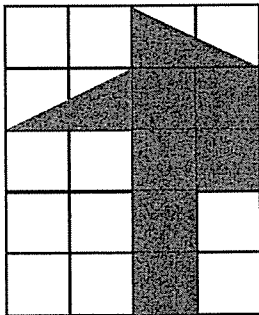


- (1) 1 g  
 (2) 10 g  
 (3) 100 g  
 (4) 1000 g ( )

5. In a school, the ratio of the number of boys to the number of girls is 5 : 9. What is the ratio of the number of girls to the total number of children in the school?

- (1) 5 : 9  
 (2) 5 : 14  
 (3) 9 : 5  
 (4) 9 : 14 ( )

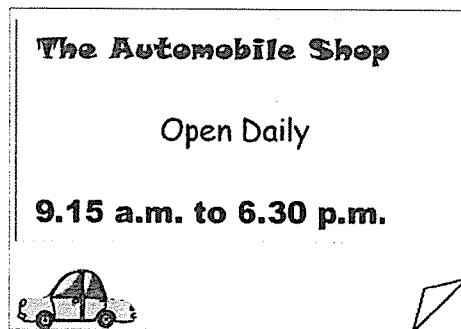
6. A picture is drawn on a square grid.



What percentage of the square grid is shaded?

- (1) 8%  
 (2) 16%  
 (3) 40%  
 (4) 60% ( )

7. The opening hours of a shop are shown below. How long does the shop open each day?



- (1) 3 h 15 min  
(2) 3 h 45 min  
(3) 9 h 15 min  
(4) 9 h 45 min

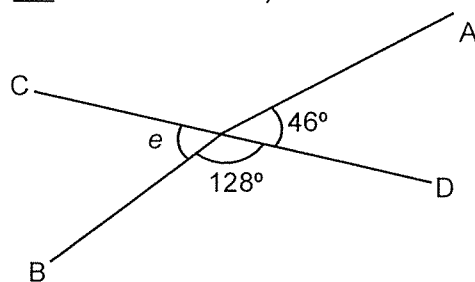
( )

8. Express  $\frac{3}{8}$  as a decimal.

- (1) 0.125  
(2) 0.375  
(3) 0.625  
(4) 0.875

( )

9. In the figure below, CD is a straight line. Find  $\angle e$ .  
(The figure is not drawn to scale.)




- (1)  $46^\circ$   
(2)  $52^\circ$   
(3)  $58^\circ$   
(4)  $134^\circ$

( )

10.

**Electric scooter for Rent**

First hour :	\$12
Every additional $\frac{1}{2}$ hour:	\$4



Miss Lim rented a scooter for 3 hours. How much did she pay?

- (1) \$16
- (2) \$20
- (3) \$24
- (4) \$28

( )

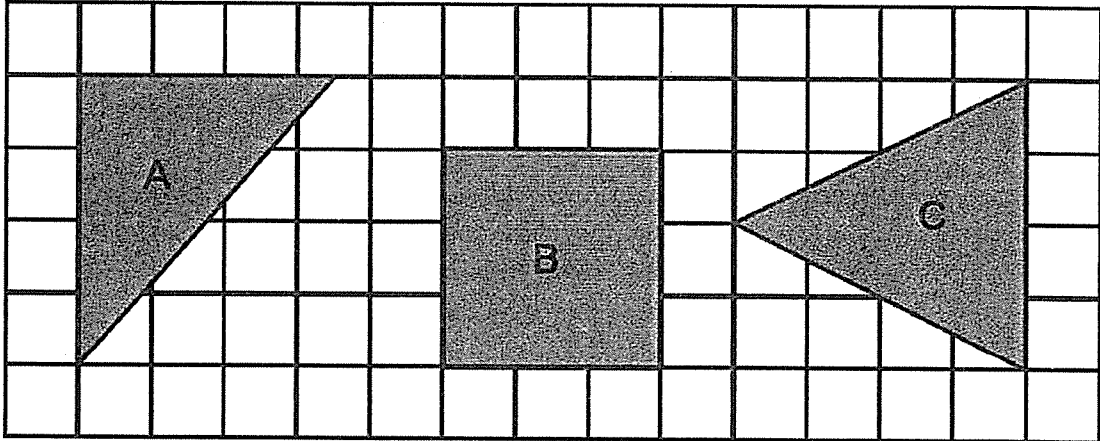
11. Highlighters are only sold in packets of 6. Each packet is sold at \$9.  
Mrs Tan has \$50. How many highlighters can she buy at most?



- (1) 30
- (2) 33
- (3) 35
- (4) 36

( )

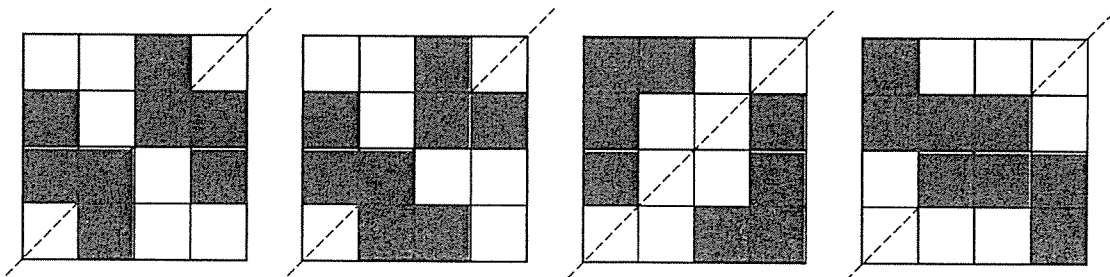
12. In the square grid below, A is a right-angled triangle, B is a square and C is another triangle. Arrange A, B and C from the largest to the smallest area.



- |     | <u>Largest</u> |    | <u>Smallest</u> |     |
|-----|----------------|----|-----------------|-----|
| (1) | A,             | B, | C               |     |
| (2) | A,             | C, | B               |     |
| (3) | B,             | C, | A               |     |
| (4) | C,             | A, | B               | ( ) |

13. Each figure below is made up of 16 squares.  
8 squares in each figure are shaded.

Which of the following is a symmetric figure?



- (1)                      (2)                      (3)                      (4)
- ( )

14. The table below shows the number of students in a Primary 5 class. Some of the information is missing.

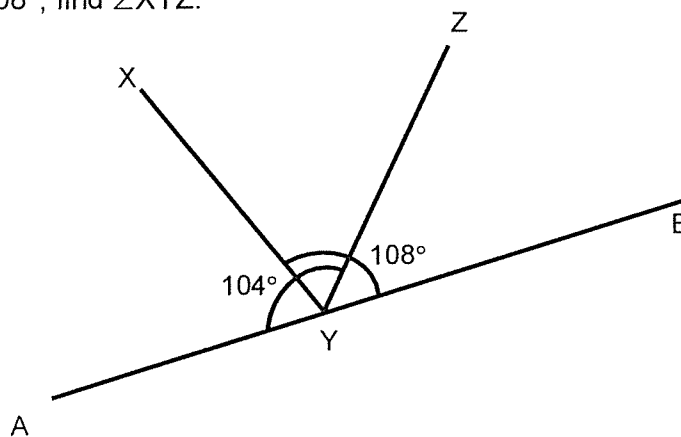
	With CCA	Without CCA	Total
Boys	10		
Girls	15		20
Total	25	11	36

Based on the given information, what is the ratio of the number of girls without CCA to the number of boys without CCA in the Primary 5 class?

- (1) 5 : 6  
(2) 6 : 5  
(3) 5 : 11  
(4) 6 : 11

( )

15. In the figure below, AYB is a straight line. Given that  $\angle AYZ = 104^\circ$  and  $\angle XYB = 108^\circ$ , find  $\angle XYZ$ .



- (1)  $76^\circ$   
(2)  $72^\circ$   
(3)  $32^\circ$   
(4)  $4^\circ$

( )



NAN HUA PRIMARY SCHOOL  
END-OF-YEAR EXAMINATION – 2021  
PRIMARY 5

MATHEMATICS  
PAPER 1  
(BOOKLET B)

Total Time for Booklets A and B: 1 hour

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of calculators is **NOT** allowed.

**Marks Obtained**

Paper 1	Booklet A		/ 45
	Booklet B		
Paper 2			/ 55
Total			/ 100

Name : \_\_\_\_\_ (       )

Class : 5 \_\_\_\_\_

Date : 28 October 2021

Parent's Signature : \_\_\_\_\_





Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write in this space

16. Express 1005 grams in kilograms.

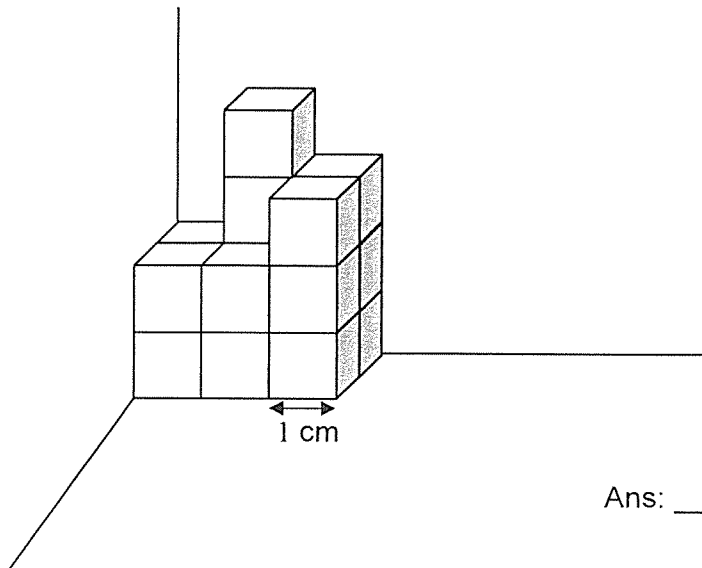
Ans: \_\_\_\_\_ kg

17. What is the missing number in the box?

$$\frac{8}{12} = \frac{\square}{9}$$

Ans: \_\_\_\_\_

18. The solid figure below is made up of unit cubes. What is the volume of the solid figure?



Ans: \_\_\_\_\_ unit cubes

<b>Subtotal</b>	<b>/ 3</b>
-----------------	------------

19. Find the value of  $2.3 \times 200$ .

Do not write  
in this space

Ans: \_\_\_\_\_

20. The table below shows Caili's scores for 4 games she played.

Game	1	2	3	4
Score	5	0	9	10

Find the average score for the 4 games she played.

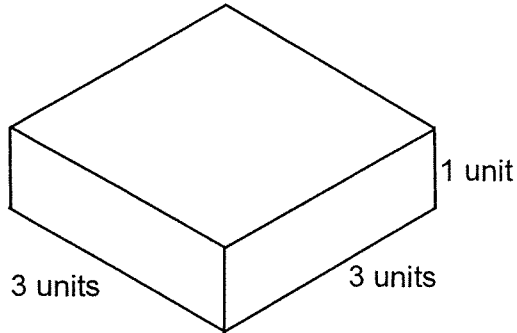
Ans: \_\_\_\_\_

<b>Subtotal</b>	<b>/ 2</b>
-----------------	------------

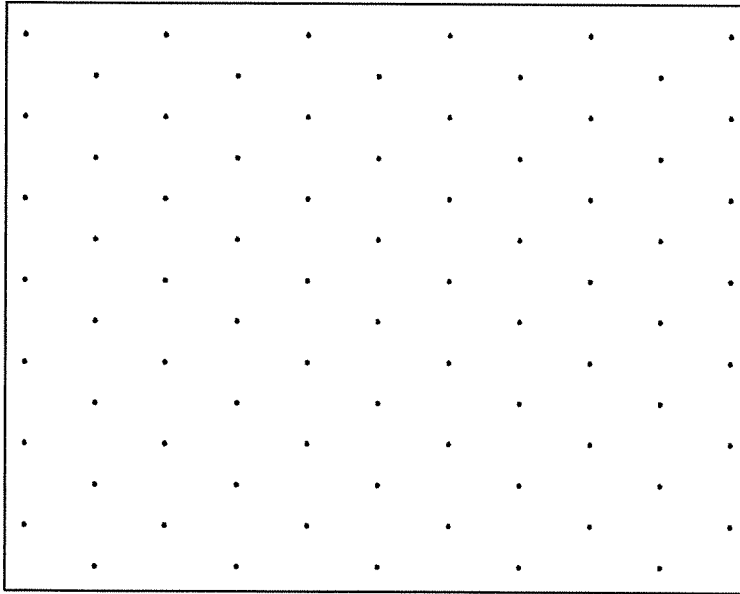
Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)


Do not write in this space

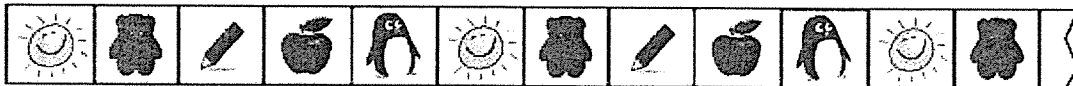
21. The figure below shows Cuboid A. Draw a cuboid with a volume twice that of Cuboid A on the isometric grid provided.



Cuboid A



22. Sally bought a roll of stickers with pictures as shown in the following sequence. The roll of stickers has 249 stickers. How many of her stickers have the picture of an apple, ?



Ans: \_\_\_\_\_



Subtotal	/ 4
----------	-----

23. (a) Find the value of  $\frac{3}{4} - \frac{2}{5}$ .

Give your answer in the simplest form.

(b) Find the value of  $\frac{9}{10} \times \frac{2}{3}$ .

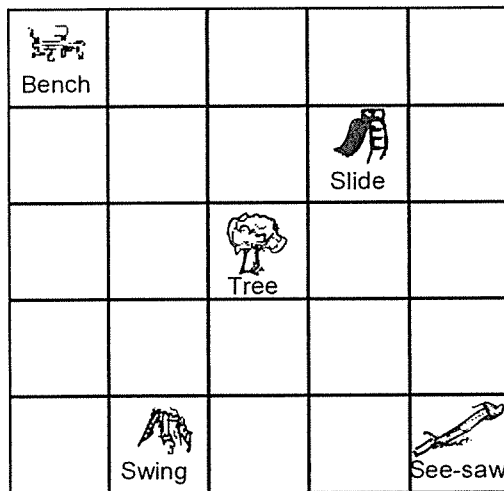
Give your answer in the simplest form.

Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

Do not write  
in this space

24. The square grid below shows the plan of a playground in a school.



(a) Which object is North-East of the Tree?

(b) Which direction is the Swing from the See-saw?

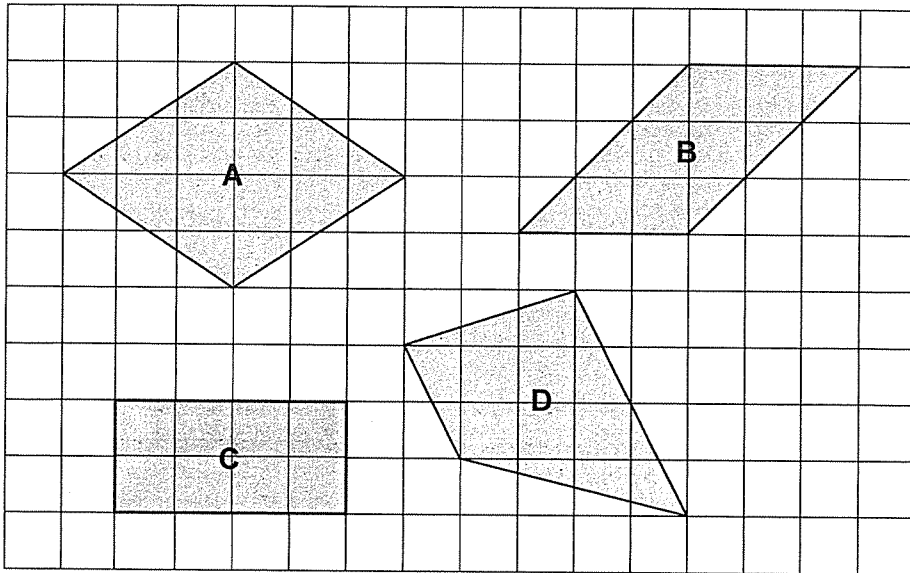
Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

<b>Subtotal</b>	<b>/ 4</b>
-----------------	------------

25. Four figures, A, B, C and D are drawn on a square grid.

Do not write in this space



Which 2 figures have more than one line of symmetry?

Ans: Figures \_\_\_\_\_ & \_\_\_\_\_

26. (a) Express 5% as a decimal.

(b) Express 12 minutes as a percentage of 1 hour.

Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_ %

Subtotal

/ 4

27. Faith saved \$240 last month. Her mother decided to give her \$2 for every \$10 she saved. How much did Faith's mother give her?

Do not write  
in this space

Ans: \$ \_\_\_\_\_

28. The table below shows the rate of parking charges in a carpark.

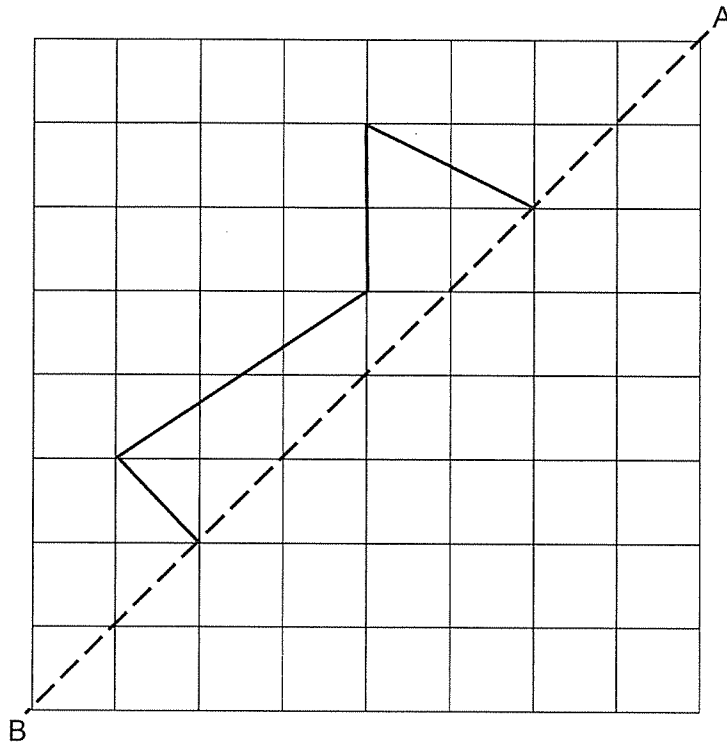
Parking Charges	
First hour	\$1.30
Every subsequent 30 minutes or part thereof	\$0.80

Daniel parked his car in the carpark from 3 p.m. to 5.20 p.m.  
How much did he pay?

Ans: \$ \_\_\_\_\_

<b>Subtotal</b>	<b>/ 4</b>
-----------------	------------

29. Complete the figure below such that line AB is the line of symmetry.



Do not write  
in this space

30. Some teachers and students from Glory Childcare Centre went on a field trip. There were 12 teachers in each group of 20 students. There were 48 more students than teachers. How many students went on the field trip?

Ans: \_\_\_\_\_

--- End of Paper 1 ---

Subtotal	/ 4
----------	-----







NAN HUA PRIMARY SCHOOL  
END-OF-YEAR EXAMINATION – 2021  
PRIMARY 5

MATHEMATICS  
Paper 2

Total Time for Paper 2: 1 hour 30 minutes

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Marks Obtained

Total	Max Mark
	55

Name : \_\_\_\_\_ (       )

Class : 5 \_\_\_\_\_

Date : 28 October 2021

Parent's Signature : \_\_\_\_\_



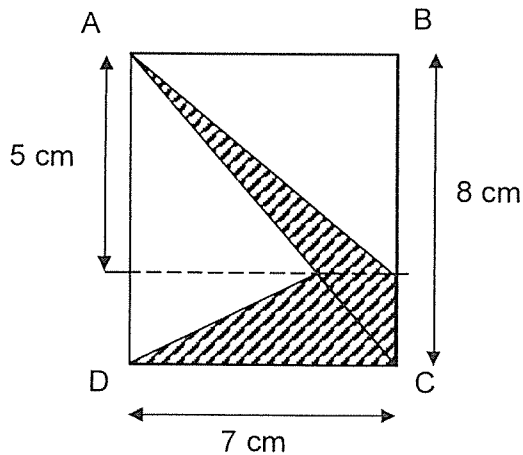
Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. In an aquarium, there were 1080 goldfish and guppies. The ratio of the number of guppies to the number of goldfish was 5 : 4. How many goldfish were left after 30 goldfish were sold?

Ans: \_\_\_\_\_

2. ABCD is a rectangle. Find the area of the shaded part.

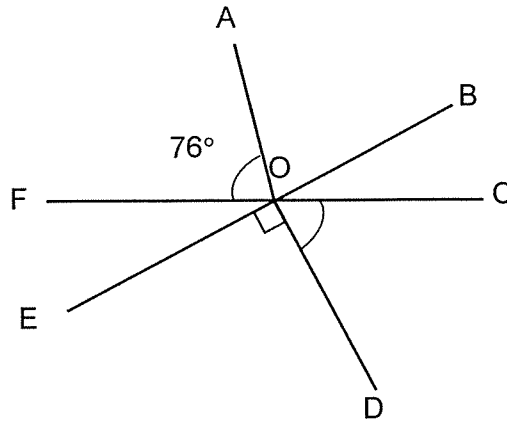


Ans: \_\_\_\_\_ cm<sup>2</sup>

Subtotal	/ 4
----------	-----

3. In the figure below, not drawn to scale, BE and CF are straight lines.  $\angle AOF = \angle AOB$ . Find  $\angle COD$ .

Do not write  
in this space



Ans: \_\_\_\_\_°

4. Glenda bought some flowers for her teachers on Teachers' Day. If she gave each teacher 4 flowers, there were 3 flowers left over. If she gave each teacher 6 flowers, she would be short of 1 flower. What was the smallest possible number of flowers that Glenda had?

Ans: \_\_\_\_\_

Subtotal	/ 4
----------	-----

5. Mr Faizal cycles  $7\frac{2}{5}$  km at a nearby park connector every weekend. His wife cycles 4 km less than him. What is the total distance that both of them cover together?

Do not write  
in this space

Ans: \_\_\_\_\_ km

Subtotal	/ 2
----------	-----

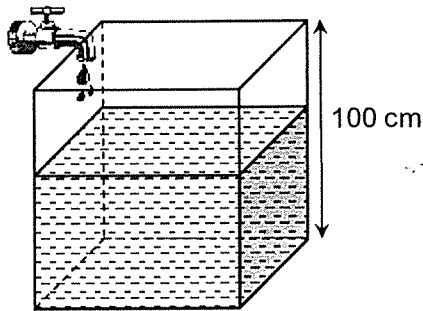
For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (45 marks)

Do not write in this space

6. The figure below shows a cubical tank which is  $\frac{3}{5}$ -filled with water.

(a) What is the volume of water needed to fill up the tank to the brim?

(b) Water is added to the tank at a rate of 4 litres per minute. At this rate, how long will it take to fill the tank completely?



Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 1 ]

**Subtotal**

**/ 3**

Do not write  
in this space

7. The usual price of a toaster was \$260. During a sale, a discount of 10% was given.

(a) How much was the discounted price?

(b) Mr Tan bought the toaster during the sale. However, he also had to pay a GST of 7% on the discounted price. How much did he pay for the toaster?

Ans: (a) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 2 ]

8. The table below shows the charges for water usage.

Volume of water	Charge
First 40 m <sup>3</sup>	\$1.17 per m <sup>3</sup>
Above 40 m <sup>3</sup>	\$1.40 per m <sup>3</sup>

Mrs Lee's family used 66 m<sup>3</sup> of water in September. How much did her family pay for the water used?

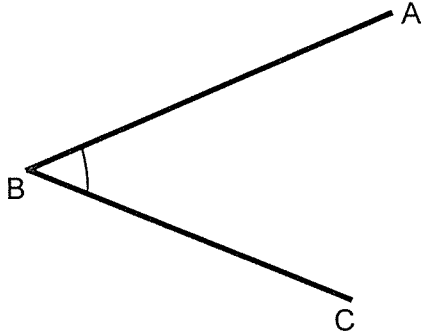
Ans: \_\_\_\_\_ [ 3 ]

Subtotal	/ 6
----------	-----



9. (a) In the space below, AB and BC are straight lines. Measure  $\angle ABC$ .

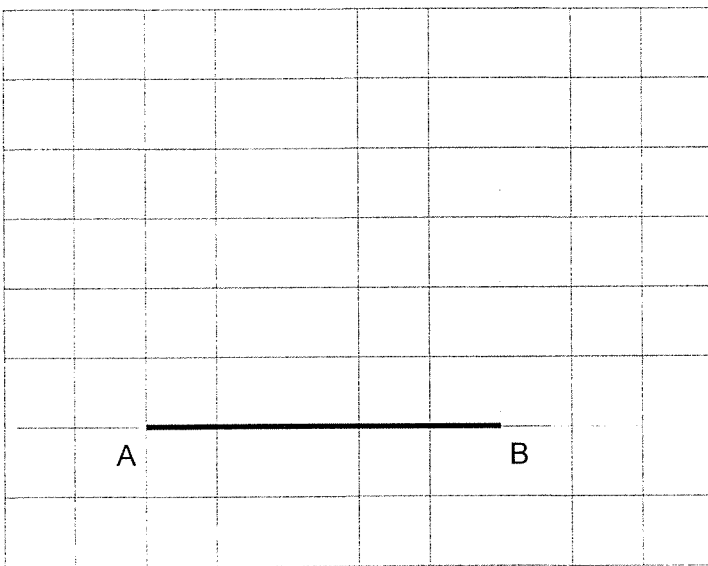
Do not write  
in this space



Ans: (a) \_\_\_\_\_ [ 1 ]

(b) On the square grid below, AB is a straight line. Draw a square ABCD.

[ 2 ]



Subtotal	/ 3
----------	-----

10. The average mass of 3 children, Xavier, Jeremy and Zen, is 54 kg. Xavier is 60 kg. Jeremy and Zen are of the same mass. How heavy is Zen?

Do not write  
in this space

Ans: \_\_\_\_\_ [ 3 ]

11. Alex had twice as many marbles as Benjamin at first. Alex then gave away 33 marbles to another friend. Alex now has 16 more marbles than Benjamin.

- (a) How many marbles does Alex have now?  
(b) How many marbles did Alex and Benjamin have at first?

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

<b>Subtotal</b>	<b>17</b>
-----------------	-----------

12. Jimmy started saving part of his pocket money by putting 2 coins in a money box every day. Each coin was either a 20¢ or 50¢ coin. His mother also put in a \$1 coin in the box every 7 days. The total value of the coins after 98 days was \$82.30.

- (a) How many coins were there altogether?
- (b) How many of the coins were 50¢ coins?

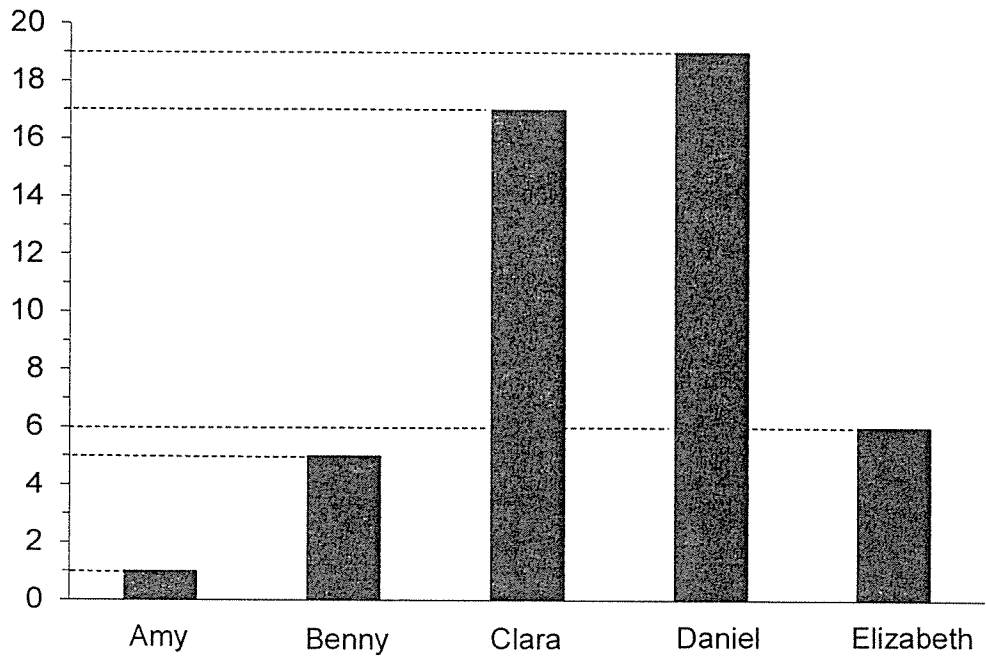
Do not write  
in this space

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

13. The graph below shows the number of stickers bought by 5 children.

Do not write  
in this space



- (a) What is the total number of stickers bought by the 5 children?
- (b) What percentage of all the stickers are bought by Elizabeth?

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

14. Auntie Lucy baked 128 pies and some cookies.  
She gave away  $\frac{3}{8}$  of her pies and  $\frac{2}{7}$  of her cookies. She had 155 cookies left.

Do not write  
in this space

- (a) How many pies did she give away?  
(b) How many cookies did she give away?

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

15. Figure A shows a rectangular piece of paper 32 cm by 5 cm which is coloured on one side. It is folded along the dotted line to form Figure B.
- (a) Find the area of the rectangular piece of paper.
- (b) Find the total area of X, Y and Z in Figure B.

Do not write  
in this space

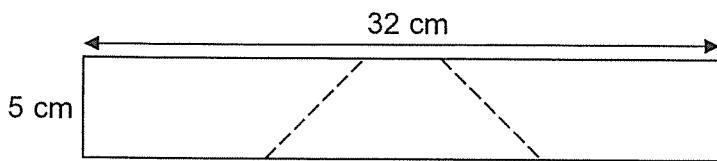


Figure A

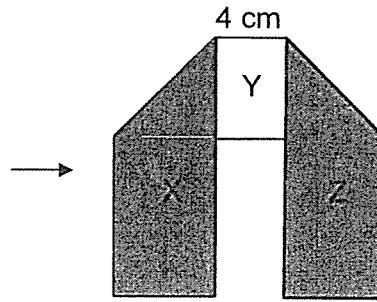


Figure B

Ans: (a) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 3 ]



16. The first four figures of a pattern are shown below.

Do not write  
in this space

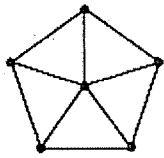


Figure 1

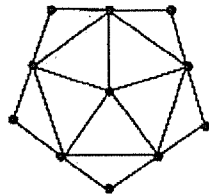


Figure 2

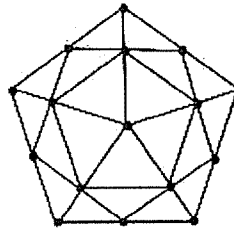


Figure 3

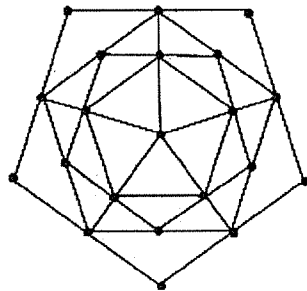


Figure 4

...

The table shows the number of dots and the number of non-overlapping triangles for each figure.

Figure number	Number of dots	Number of non-overlapping triangles
1	6	5
2	11	10
3	16	20
4	21	25
5	(i) _____	(ii) _____

- (a) Fill in the table for Figure 5.  
 (b) What is the number of dots in Figure 10?  
 (c) In which Figure number will there be 106 dots?

Ans: (a) (i) \_\_\_\_\_ [ 1 ]

(ii) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 1 ]

(c) \_\_\_\_\_ [ 2 ]



17. There were 38 pupils in a class. Each of them contributed \$10 towards a charity drive. The form teacher contributed \$70.

$\frac{2}{5}$  of the total amount contributed was spent on buying food items.

$\frac{1}{9}$  of the remainder was spent on stationery.

After spending some money on toiletries, there was \$93 left.

(a) What was the total amount contributed?

(b) How much was spent on toiletries?

Do not write  
in this space

Ans: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 3 ]

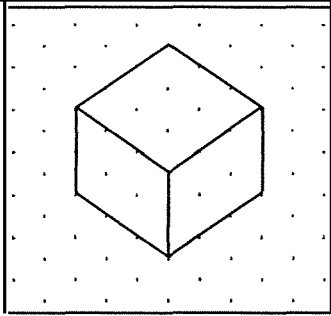
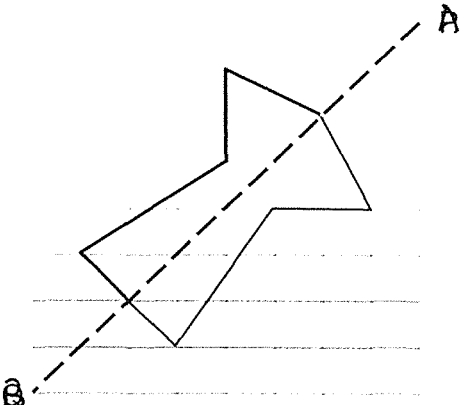
--- End of Paper 2 ---





Nan Hua Primary School  
2021 P5 Math Answer  
Paper 1

1)	4	6)	3	11)	1
2)	2	7)	3	12)	3
3)	2	8)	2	13)	2
4)	3	9)	2	14)	1
5)	4	10)	4	15)	3

16)	1.005 kg	(17)	6
18)	16	(19)	460
20)	6	(21)	
22)	$249 \div 5 = 49R4$ $49 + 1 = \underline{50}$	23(a)	$\frac{3}{4} - \frac{2}{5} = \frac{15}{20} - \frac{8}{20} = \frac{7}{20}$ (b) $\frac{9}{10} \times \frac{2}{3} = \frac{3}{5}$
24)	(a) Slide (b) West	(25)	Figures <b>A &amp; C</b>
26)	(a) 5% = <b>0.05</b> (b) $\frac{12}{60} \times 100\% = \underline{20\%}$	(27)	$240 \div 10 = 24$ $24 \times \$2 = \underline{\$48}$
28)	$1.5 \text{ h} \div 30 \text{ min} = 3$ $3 \times \$0.80 = \$2.40$ $\$2.40 + \$1.30 = \underline{\$3.70}$		
29)		(30)	Number of more students than teachers in each set = $20 - 12 = 8$ Number of sets = $48 \div 8 = 6$ $6 \times 20 = \underline{120 \text{ students}}$ went on the field trip. Or T : S : Difference = 12 : 20 : 8 = 72 : 120 : 48

Paper 2

1.	Before Gu : Go = 5 : 4 9 units = 1080 1 unit = $1080 \div 9 = 120$ 4 units = $4 \times 120 = 480$ $480 - 30 = \underline{450}$
----	--



	<p>Or (a)</p> <table border="1"> <tr> <td><b>A</b></td> <td><b>B</b></td> </tr> <tr> <td><b>2u</b></td> <td><b>1u</b></td> </tr> <tr> <td><b>-33</b></td> <td></td> </tr> <tr> <td><b>2u-33</b></td> <td><b>1u</b></td> </tr> </table> <p> <math>2u-33 \rightarrow 1u+16</math>  <math>1u = 49</math>  <math>2u-33 \rightarrow 49 \times 2 - 33</math>  Alex's marbles: <math>98 - 33 = \underline{65}</math> </p> <p>(b) <math>3u = 3 \times 49 = \underline{147}</math></p>	<b>A</b>	<b>B</b>	<b>2u</b>	<b>1u</b>	<b>-33</b>		<b>2u-33</b>	<b>1u</b>				
<b>A</b>	<b>B</b>												
<b>2u</b>	<b>1u</b>												
<b>-33</b>													
<b>2u-33</b>	<b>1u</b>												
12.	<p>(a) No. of 20¢ and 50¢ coins = <math>2 \times 98 = 196</math>  <math>98 \div 7 = 14</math>  Total no. of coins = <math>196 + 14 = \underline{210}</math></p> <p>(b) <math>\\$82.30 - \\$14 = \\$68.30</math>  Assume all are 20¢ coins.  <math>196 \times \\$0.20 = \\$39.20</math>  <math>\\$68.30 - \\$39.20 = \\$29.10</math>  <math>\\$0.50 - \\$0.20 = \\$0.30</math>  <math>\\$29.10 \div \\$0.30 = \underline{97}</math></p> <p>Or  Assume all are 50¢ coins.  <math>196 \times \\$0.50 = \\$98</math>  <math>\\$98 - \\$68.30 = \\$29.70</math>  <math>\\$29.70 \div \\$0.30 = 99</math>  <math>196 - 99 = \underline{97}</math></p> <p>Or  <math>\\$68.30 \div \\$0.70 = 97 \text{ R } \\$0.40</math>  <math>\\$0.40 \div \\$0.20 = 2 \text{ more } 20\text{¢ coins}</math>  <u>97</u> 50¢ coins and <u>99</u> 20¢ coins.</p> <p>Or</p> <table border="1"> <thead> <tr> <th>No. of 20¢</th> <th>No. of 50¢</th> <th>Total cost</th> <th>Check</th> </tr> </thead> <tbody> <tr> <td>98</td> <td>98</td> <td><math>98 \times \\$0.20 + 98 \times \\$0.50 = \\$68.60</math></td> <td>x</td> </tr> <tr> <td>99</td> <td>97</td> <td><math>99 \times \\$0.20 + 97 \times \\$0.50 = \\$68.30</math></td> <td>√</td> </tr> </tbody> </table> <p>M1 for arriving at correct answer, A1 for <u>97</u> 50¢ coins</p>	No. of 20¢	No. of 50¢	Total cost	Check	98	98	$98 \times \$0.20 + 98 \times \$0.50 = \$68.60$	x	99	97	$99 \times \$0.20 + 97 \times \$0.50 = \$68.30$	√
No. of 20¢	No. of 50¢	Total cost	Check										
98	98	$98 \times \$0.20 + 98 \times \$0.50 = \$68.60$	x										
99	97	$99 \times \$0.20 + 97 \times \$0.50 = \$68.30$	√										
13.	<p>(a) <math>1 + 5 + 17 + 19 + 6 = \underline{48}</math></p> <p>The 5 friends bought <u>48</u> stickers in total.</p> <p>(b) <math>\frac{6}{48} \times 100\% = \underline{12.5\%}</math></p> <p>Or  <math>100\% \rightarrow 48</math>  <math>1\% \rightarrow 0.48</math>  <math>6 \div 0.48 \rightarrow 12.5\%</math></p>												
14.	<p>(a) <math>\frac{3}{8} \times 128 = \underline{48}</math></p> <p>Or  8 units = 128  3 units = <math>128 \div 8 \times 3 = \underline{48}</math></p> <p>(b) <math>1 - \frac{2}{7} = \frac{5}{7}</math></p> <p>5 units = 155  1 unit = <math>155 \div 5 = 31</math>  2 units = <math>31 \times 2 = \underline{62}</math></p>												

More papers at

sgtest.com

15.	<p>(a) <math>32 \times 5 = 160</math> Area of rectangular piece of paper = <u>160 cm<sup>2</sup></u></p> <p>(b) <u>Method 1</u> <math>5 \times 5 = 25</math> Area of resulted figure = <math>160 - 25 = \underline{135 \text{ cm}^2}</math></p> <p><u>Method 2</u> <math>(32 - 5 - 5 - 4) \div 2 = 9</math>      Or      <math>32 - 5 - 5 - 4 = 18</math> <math>9 \times 5 \times 2 = 90</math>                      <math>18 \times 5 = 90</math> <math>\frac{1}{2} \times 5 \times 5 \times 2 = 25</math>                      <math>5 \times 5 = 25</math> <math>4 \times 5 = 20</math>                                      <math>4 \times 5 = 20</math> Area of resulted figure = <math>90 + 25 + 20 = \underline{135 \text{ cm}^2}</math></p>
16.	<p>(a) (i) <b>26</b> (ii) <b>35</b></p> <p>(b) <math>5n + 1 = 5 \times 10 + 1 = \underline{51}</math> Or by listing to get 51</p> <p>(c) <math>5n + 1 = 106</math> <math>n = (106 - 1) \div 5 = \underline{21}</math> Or by listing to get Figure no. 21</p>
17.	<p>(a) <math>38 \times \\$10 + \\$70 = \underline{\\$450}</math></p> <p>(b) <math>\frac{2}{5} \times \\$450 = \\$180</math></p> <p><math>\frac{1}{9} \times (\\$450 - \\$180) = \\$30</math></p> <p>Or <math>\frac{2}{5} + \frac{1}{9} \times \frac{3}{5} = \frac{7}{15}</math></p> <p><math>\frac{7}{15} \times \\$405 = \\$210</math></p> <p>Or 15 units = \$450      4 units = <math>\\$450 \div 15 \times 4 = \\$180</math> 1 unit = <math>\\$450 \div 15 = \\$30</math></p> <p><math>(180 + 30 + 93) = \\$303</math>      Or <math>\\$210 + \\$93 = \\$303</math></p> <p><math>\\$450 - \\$303 = \underline{\\$147}</math></p> <p>Or 8 units = <math>(\\$450 \div 15) \times 8</math> = <math>\\$30 \times 8 = \\$240</math> <math>\\$240 - \\$93 = \underline{\\$147}</math></p>

END