



2021 PRIMARY 5 PRACTICE PAPER 2

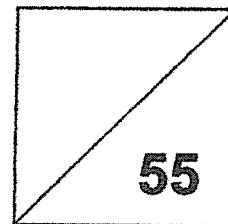
Name: _____ () Date: _____

Class: Primary 5 ()

Parent's Signature: _____

MATHEMATICS

PAPER 2



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register no.
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. You are allowed to use a calculator.

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)

1. Study the following letters. Write down the letters with only 1 line of symmetry.

C E H S T

Ans: _____

2. The total time taken by the first two runners to complete a race was 3 min 46 s. The champion finished the race 2 s faster than the runner in the second place. How long did the champion take to complete the race?

Ans: _____ min _____ s

3. Minghua, Nila and Omar shared the cost of a gift. Omar paid \$8.85 and Minghua paid \$7.90. Nila and Omar paid twice as much as Minghua. How much did Nila pay?

Ans: \$ _____

4. Find the sum of all the even numbers less than 50.

Ans: _____

5. Pansy had some beads. She used $\frac{7}{10}$ of them to make a necklace and gave $\frac{2}{9}$ of the remainder to her sister.

What fraction of her beads was given to her sister?
Give your answer in the simplest form.

Ans: _____

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)

6. There were 40 people on a bus.
The ratio of the number of adults to the number of children was 1 : 7.

(a) How many adults were there?

(b) There were 3 more girls than boys.
Find the ratio of the number of boys to the number of girls.

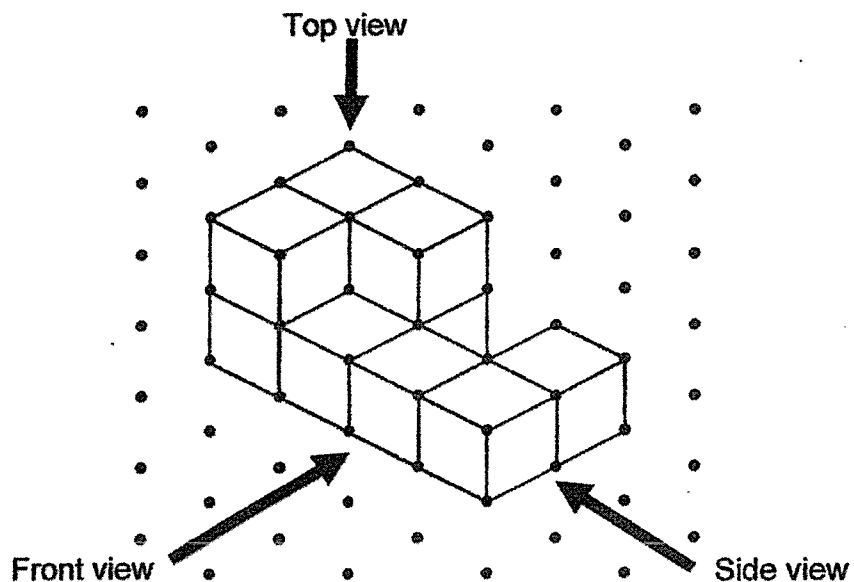
Ans: (a) _____ [1]

(b) _____ [2]

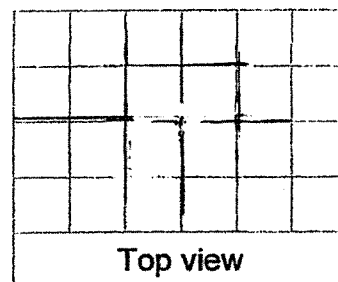
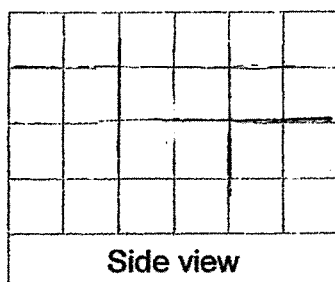
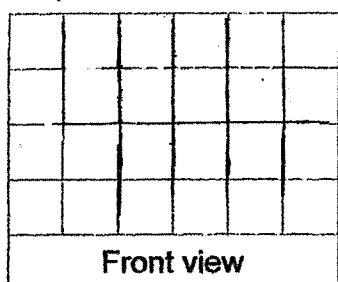
7. The mass of a container with 2 basketballs and 3 footballs is 7.5 kg.
The mass of the same container with 4 basketballs and 5 footballs is 9.58 kg.
Find the mass of the container with 1 football.

Ans: _____ [3]

8. The solid below is made up of unit cubes.



Using the square grids below, draw the top view, side view and front view of the solid. [3]



9. Machine A makes 9 cups of coffee in 4 minutes.
Machine B makes 1 cup of coffee in 2 minutes.
In 1 hour, how many more cups of coffee does Machine A make than Machine B?

Ans: _____ [3]

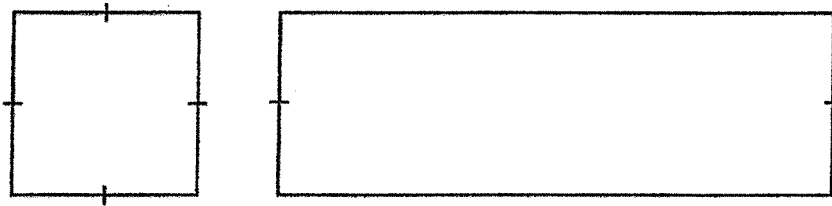
10. To decorate some presents, Quan Yu bought 2 rolls of ribbon.
Each roll contains 9 m of ribbon. Quan Yu decorates each present with a piece of 70-cm long ribbon. How many presents can Quan Yu decorate?

Ans: _____ [3]

11. The perimeter of the square and rectangle is 216 cm.
The ratio of the area of the rectangle to the area of the square is 3 : 1.

(a) Find the breadth of the rectangle.

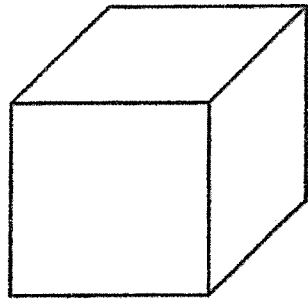
(b) Find the ratio of the perimeter of the square to the perimeter of the rectangle. Give your answer in the simplest form.



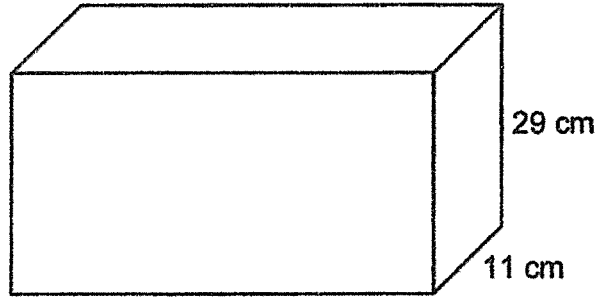
Ans: (a) _____ [2]

(b) _____ [2]

12. A cubical tank is filled to the brim with water.
All the water is poured from the cubical tank into the rectangular tank.
How much more water is needed to fill the rectangular tank to its brim?
Give your answer in litres.



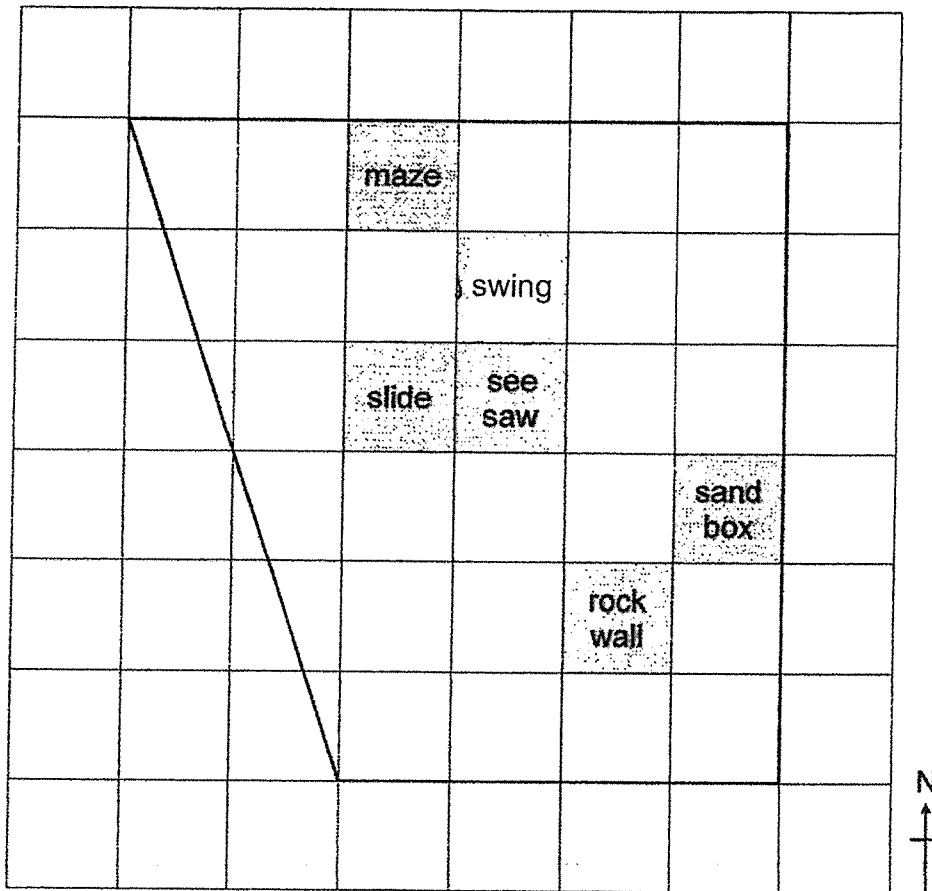
25 cm



65 cm

Ans: _____ [4]

13. The perimeter of a playground is shown on the square grid.

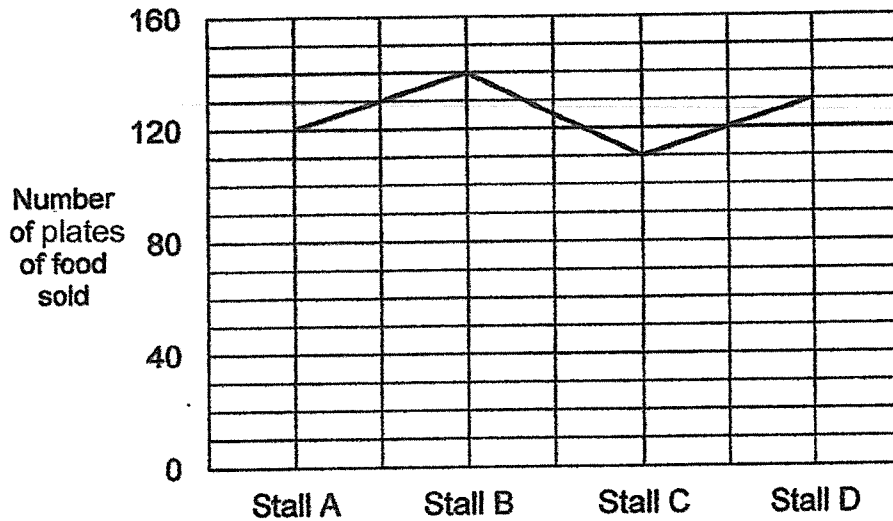


- (a) Find the area of the playground. Give your answer in square units. [2]
- (b) Name the equipment that is southeast of the swing. [1]
- (c) Reyah's mother is watching over her under a shelter at the playground. The shelter is to the west of the sand box and northwest of the rock wall. **Mark** the shelter with 'X' on the square grid. [1]

Ans: (a) _____ [2]

(b) _____ [1]

14. The line graph shows the number of plates of food sold at 4 stalls on Monday.



The table below shows the price of each plate of food sold.

Stall	Price of 1 plate of food
A	\$2.50
B	\$2.40
C	\$2.90
D	\$2.45

- (a) Find the difference in the earnings received from the food sold between Stall A and Stall D.
- (b) Each statement below is either true, false or not possible to tell from the data given.
For each statement, put a tick (✓) in the correct column. [2]

Statement	True	False	Not possible to tell
(i) Stall C sold the least number of plates of food on Monday.			
(ii) Stall B sold 980 plates of food in a week.			

Ans: (a) _____ [2]

15. Trish spent a total of 7 h in one week reading.
Each day, Trish spent 10 minutes more than the previous day reading.
How long did Trish spend reading on the fifth day?
Give your answer in hours.

Ans: _____ [4]

16. Weiming had 100 more guppies than angelfish.
He gave his brother $\frac{4}{5}$ of his guppies and $\frac{1}{2}$ of the angelfish.

He then had 90 fish left.

Find the total number of fish Weiming had at first.

Ans: _____ [5]

17. Meiling used grey and white beads to make figures that form a pattern.

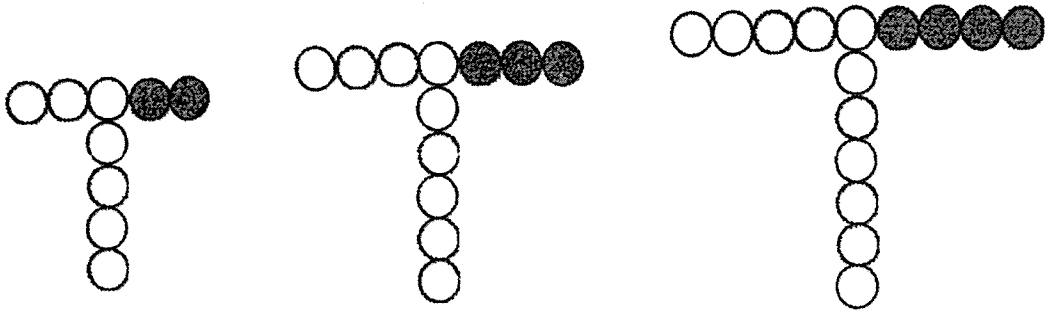


Figure 1

Figure 2

Figure 3

Figure 4

(a) Draw Figure 1. [1]

(b) Fill in the missing numbers in the table. [1]

Figure	Number of grey beads	Number of white beads	Total number of beads
1			
2	2	7	9
3	3	9	12
4	4	11	15
5	5		

(c) How many beads were used for **Figure 10**? [1]

(d) Meiling made a figure using a total of 45 beads. Which **figure** is this? [2]

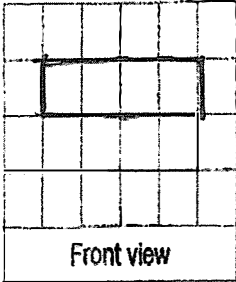
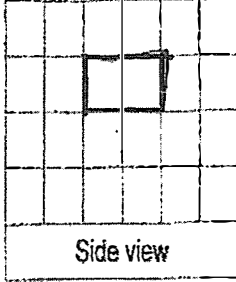
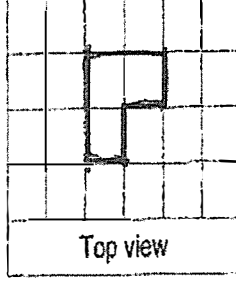
Ans: (c) _____ [1]

(d) **Figure** _____ [2]

End of Paper 2

ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHEMATICS
TERM : PRACTICE PAPER 2

Q1	CET
Q2	$3 \text{ min } 46\text{s} - 25 = 3 \text{ min } 44\text{s}$ $3 \text{ min } 44\text{s} \div 2 = 1 \text{ min } 52\text{s}$
Q3	$\$7.90 \times 2 = \15.80 $\$15.80 - \$8.85 = \$6.95$
Q4	$24 \div 2 = 12$ $12 \times 50 = 600$
Q5	$\frac{1}{15}$
Q6	$7 + 1 = 8$ $8u = 40$ $1u = 40 \div 8 = 5$ $40 - 5 = 35$ $35 - 3 = 32$ $32 \div 2 = 16$ $16 : 19$ a) 5 adults b) 16:19
Q7	$9.58 - 7.5 = 2.08\text{kg}$ $7.5 - 2.08 = 5.42\text{kg}$ The mass of the container with 1 football is 5.42kg
Q8	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Front view</p> </div> <div style="text-align: center;">  <p>Side view</p> </div> <div style="text-align: center;">  <p>Top view</p> </div> </div>
Q9	$60 \div 4 = 15$ $15 \times 9 = 135$ $60 \div 2 = 30$ $30 \times 1 = 30$ $135 - 30 = 105$

	105 more cups of coffee
Q10	$900 \div 70 = 12.857$ $= 12$ presents $12 \times 2 = 24$ Quan Yu can decorate 24 presents
Q11	(a) $216 \div 12$ $= 18$ (b) $18 \times 4 : 18 \times 8$ $72 : 144$ $1 : 2$
Q12	$(65 \times 11 \times 29) - (25 \times 25 \times 25)$ $= 5110 \text{ cm}^3$
Q13	a) $\frac{1}{2} \times 2 \times 6 = 6$ $4 \times 6 = 24$ b) $24 + 6 = 30 \text{ cm}^2$ sandbox
Q14	a) $\$2.50 \times 120 = \300 $\$2.45 \times 130 = \318.50 $\$318.50 - \$300 = \$18.50$ b) (i) True ✓ (ii) Not possible to tell ✓
Q15	$21 \times 10 = 210$ $420 - 210 = 210$ $210 \div 7 = 30$ $4 \times 10 = 40$ $30 + 40 = 70$ $= 1\frac{1}{6}h$
Q16	$7u = 90 - 20 = 70$ $1 \text{ unit} = 70 \div 7$ $= 10$ $10 + 10 = 20$ $20 \times 10 = 200$

$$200+100=300$$

Q17

a)



Figure 1

b)

Figure	No. of grey beads	No. of white beads	Total No. of beads
1	1	5	6
2	2	7	9
3	3	9	12
4	4	11	15
5	5	13	18

$$45-6=39$$

$$39 \div 3 = 13$$

$$13+1=14$$

$$18-9=9$$

$$9 \times 3 = 27$$

$$27 \times 6 = 33$$

c)33

d)Figure 14

4
END