

END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 1

(BOOKLET A)

Total Duration for Booklets A and B: 1 hour

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.
- 4. Shade your answers in the Optical Answer Sheet (OAS) provided,
- 5. The use of calculators is NOT allowed.

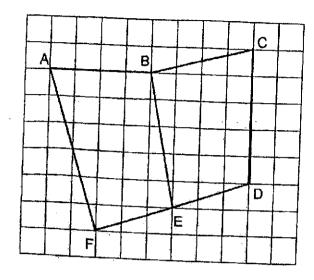
Name:		()
Class: Primary 5 ()		

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. (20 marks)						
1 h	the r	number 87.65, the digit is in the tenths place.				
(1	1)	8				
. (2	2)	7				
(3	3)	6				
(4	4)	5				
2 E	Expre	ss 7045 grams in kilograms.				
((1)	7.045 kg				
((2)	7.45 kg				
	(3)	70.45 kg				

(4)

704.5 kg

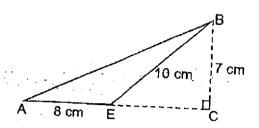
3 In the square grid below, which line is perpendicular to FD?



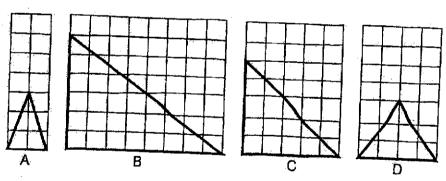
- (1) AF
- (2) BC
- (3) BE
- (4) ED

4	A prir take t	nter can print o o print 30 pag	12 pages es?	in 60 seconds.	, How	/ long v	vill this	printer
	(1)	24 seconds				•		
	(2)	120 seconds						
	(3)	126 seconds						
	(4)	150 seconds	i				-	·
5	the r	an baked 80 cu est were choo ed were strawb	olate cup	56 of them we ocakes. What cakes?	ere stra percen	wberry tage o	cupca f the c	ikes and upcakes
	(1)	24%						
	(2)	30%						
	(3)	56%						-
	(4)	70%						
6		hu had \$220. spend?	He sper	nt 20% of his mo	oney.	How n	nuch n	noney did
	(1)	\$11						
	(2)	\$44						
	(3)	\$176						
	(4)	\$200						
				3				

In the figure below, AEC is a straight line and BC is perpendicular to AC. AE = 8 cm, BE = 10 cm and BC = 7 cm. What is the area of triangle ABE?

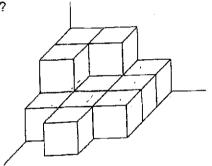


- (1) 28 cm²
- (2) 40 cm²
- (3) 56 cm²
- (4) 80 cm²
- In the square grids below, which of the following is true for the following triangles?



- (1) B is an obtuse-angled triangle.
- (2) C is an equilateral triangle.
- (3) A and D are isosceles triangles.
- (4) B and D are right-angled triangles,

- 9 In a class of 45 children, 27 are girls and the rest are boys. What is the ratio of the number of boys to the number of girls?
 - (1) 2:3
 - (2) 3:2
 - (3) 3:5
 - (4) 5:3
- The figure below shows a solid formed using 1-cm cubes. What is the volume of the solid?



- (1) 9 cm³
- (2) 10 cm³
- (3) 12 cm³
- (4) 13 cm³

11 $\frac{1}{3}$ of a number is 15. What is the number?

- (1) 5
- (2) 12
- (3) 18
- (4) 45

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

- $\frac{1}{0}$, $\frac{2}{3}$
- 1
- $\frac{2}{21}$

Smallest Greatest (1) $\frac{1}{3}$, $\frac{1}{10}$, $\frac{2}{7}$, $\frac{2}{21}$

- (2) $\frac{2}{21}$, $\frac{2}{7}$, $\frac{1}{10}$, $\frac{1}{3}$
- (3) $\frac{2}{21}$, $\frac{1}{10}$, $\frac{2}{7}$, $\frac{1}{3}$
- (4) $\frac{1}{10}$, $\frac{1}{3}$, $\frac{2}{21}$, $\frac{2}{7}$

	0		24		36	36	44	
	(1) , .	28			·			
	(2)	35						
	(3)	36						
	(4)	140						
14	The Wed each He d	numbe nesday day fro id not r	er of ke was two om Thurs make any	eychai ice as sday to y keyc	ns he mad many as the Friday.	ne number of turdays and	y from Monda keychains he r	iy to nade

Find the average of the following 5 numbers.

13

(1)

(2)

(3)

(4)

32

40

46

64

- A tank contained 5.4 t of water. All the water was poured into three empty bottles. The first bottle contained twice as much water as the second bottle. The second bottle contained 3 times as much water as the third bottle. How much water was there in the second bottle?
 - (1) 2.70 &
 - (2) 1.62 ℓ
 - (3) 0.90 (
 - (4) 0.54 &



END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 1

(BOOKLET B)

Total Duration for Booklets A and B: 1 hour

INSTRUCTIONS TO PUPILS

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

Name:		()
Class: Primary 5 () .		

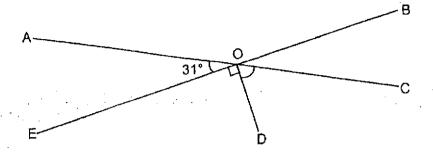
Booklet B

20 / 25

Please sign and return the examination paper the next day. Any queries should be raised at the same time when returning paper.

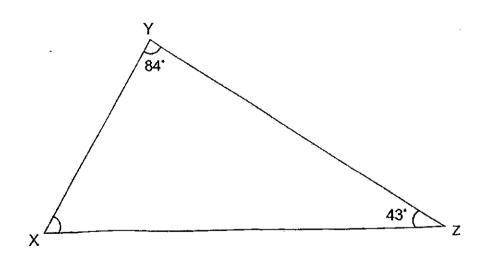
Ques provi state	tions 16 to 20 carry 1 ded. For questions wh d.	mark each. Write your answers ich require units, give your answe	in the spaces rs in the units (5 marks)
16	Find the value of (87 –	3 x 7) ÷ 6 – (2 + 2)	
	-		÷
		Ans:	
17	Find the value of 3 + 8.	Express your answer as a decim	al.
٠			
		Ans:	

In the figure below, AOC and BOE are straight lines. ∠AOE = 31° and ∠DOE = 90°. Find ∠COD.



Ans: _____°

19 XYZ is a triangle. \angle XYZ = 84° and \angle YZX = 43°. Find \angle ZXY.



Ans: _____

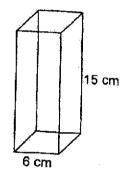
20	What is th	e missing	number in	the	hava

: 9 = 54 ; 81

Ans:	

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)

A cuboid of height 15 cm has a square base of 6 cm. What is the volume of the cuboid?



Ans:		cm ²
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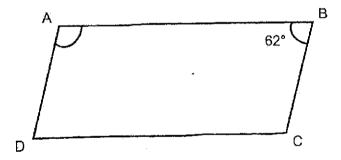
22 What is the product of $\frac{2}{7}$ and $\frac{5}{12}$? Express your answer as a fraction in the simplest form.

Ans:	-
	

23 Ahmad bought 4 bottles of oil. Each bottle contained $\frac{3}{4}$ litres of oil. He then used $\frac{3}{10}$ litres of oil. How many litres of oil had Ahmad left?

ť

24 In the figure below, ABCD is a parallelogram. \angle ABC = 62°. Find \angle DAB.



Ans:	P

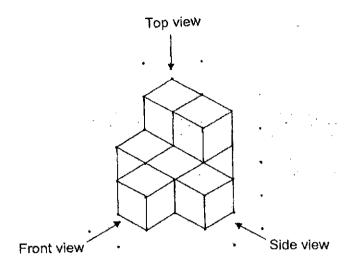
	Ans: \$
26	A factory produced some toys. All the toys were placed into boxes of 65 with no left over. There were 396 such boxes. Round the number of toys produced by the factory to the nearest thousand.
	Ans:
27	What is the price of the backpack after a discount of 8%?
	Usual price: \$50
	Ans: \$
_	

A tin of paint costs \$24.50. Steve needs to buy 7 tins of paint, but he

is short of \$5. How much money does Steve have?

25

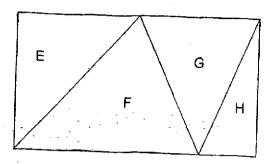
28 Louis built a solid using 8 unit cubes.



Draw the front view and the side view of the solid on the grids below.

			Fro	ont v	view	<u></u>		
	•		•	•	•	•	. •	•
•	•	•	•	•	٠	٠	•	ř
•	•	•	•	•	٠	•	•.	•
•	•	•	•		•	٠	•	•
٠	•	٠	•	•	•	•	•	•
٠	•	•	•	•	٠	٠	٠	•
	•	•	٠	٠	•	•	•	•
•	•	•	•	•.	٠	٠	•	•

A rectangle is made up of 4 triangles E, F, G and H. The area of triangle F is 3 times the area of triangle H. The area of triangle H is 12 cm². What is the area of the rectangle?



Ans:		cm²
------	--	-----

At first, the average number of coins owned by a group of boys was 7.

A new boy who owned 63 coins joined the group and the new average number of coins owned by the boys became 11.

How many boys were there at first?

Ans:	
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End of Paper



END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 2

Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS

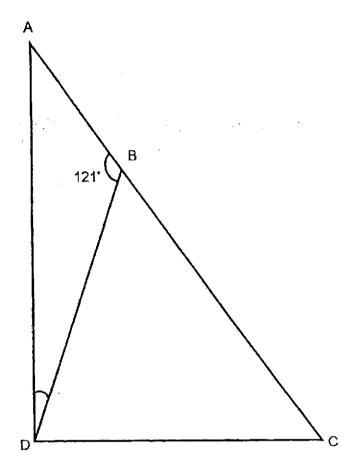
- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.
- 4. Write your answers in this booklet.
- 5. The use of an approved calculator is allowed.

Name:	. ()	
Class: Primary 5 ()		
Parent's Signature:	Booklet A	/ 20
	Booklet B	/ 25
	Paper 2	/ 55
	Total	/ 100

Please sign and return the examination paper the next day. Any queries should be raised at the same time when returning paper.

you	ur answers in the spaces p ur answers in the units stat	ted. 	For questions		(10 mark
1	Mr Tan used $2\frac{1}{8}\ell$ of Tuesday. How much answer as a mixed pure	water did	Mr Tan use on	both days?	of water o
	answer as a mixed nur	nber in the	simplest form:		•
			Ans:		
<u></u>					·
	Sandy jogged 4 ⁴ / ₅ km ea	m Wednes	ot week. What day to Saturda	was the total y last week?	al Give
	distance she jogged from	m Wednes	day to Saturda	y last week?	af Give
	distance she jogged from	m Wednes	day to Saturda	y last week?	Give
	distance she jogged from	m Wednes	day to Saturda the simplest fo	y last week? orm.	Give km
	distance she jogged from your answer as a mixed. The average mass of 6	m Wednes	day to Saturda the simplest fo	y last week? orm.	Give km

ACD is a right-angled triangle. ∠ADC = 90°. BD = CD. Find ∠ADB.

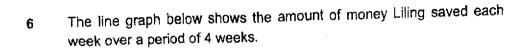


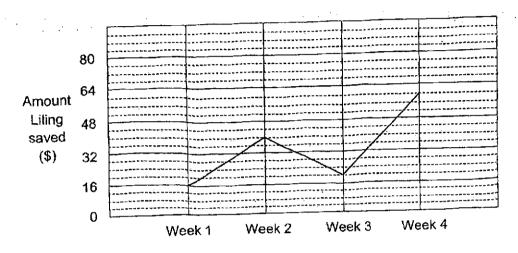
Ans:	a
/ G 1G.	 _

Meili has a roll of ribbon to give to a group of friends. If she gives 0.7 m of ribbon to each of her friends, she will have 0.4 m of ribbon left. If she gives 0.8 m of ribbon to each of her friends, she will be short of 0.3 m of ribbon. What is the length of the roll of ribbon Meili has?

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)





(a) In which week did Liling save twice the amount of money she saved in Week 3?

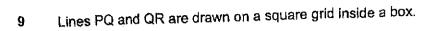
Ans:	(a)	Week	 [1]

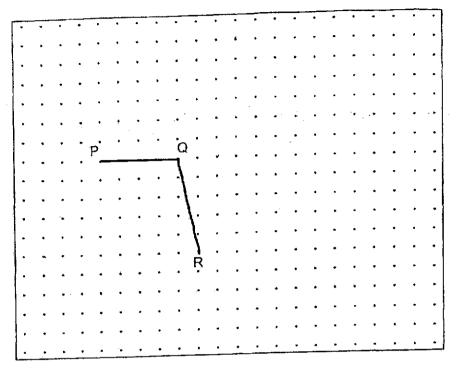
(b) How much did Liling save in Week 4?

(c) How much less money did Liling save in Week 1 than in Week 2?

Ans: (c)		[1]
----------	--	-----

8 At first, Mary had 60 erasers and 85 pencils. After she gave away some erasers and 20% of the pencils, she had a total of 118 erasers and pencils left. How many erasers did Mary give away? Ans:	7	Two apples cost \$0.30 more than a pear. The pear costs \$0.45 more than each apple. How much will 2 such pears and 1 such apple cost altogether?
At first, Mary had 60 erasers and 85 pencils. After she gave away some erasers and 20% of the pencils, she had a total of 118 erasers and pencils left. How many erasers did Mary give away?		
At first, Mary had 60 erasers and 85 pencils. After she gave away some erasers and 20% of the pencils, she had a total of 118 erasers and pencils left. How many erasers did Mary give away?		
At first, Mary had 60 erasers and 85 pencils. After she gave away some erasers and 20% of the pencils, she had a total of 118 erasers and pencils left. How many erasers did Mary give away?		
pencils left. How many erasers did Mary give away?		Ans:[3]
Ann	8	The state of the s
Alis[3]		Ans:[3]





By joining dots on the grid with straight lines,

- (a) draw a trapezium PQRS such that PQ is parallel to SR and SR is twice the length of PQ. [1]
- (b) draw a rhombus QRYZ such that it does not overlap with trapezium PQRS.

10	A bag contained some green balls and some yellow balls in the ratio 4:11. The number of green balls in the bag is 180.
	(a) How many valley to the

(a)	How m	any yello	w balls	are	there	in	the	bag?	,
-----	-------	-----------	---------	-----	-------	----	-----	------	---

Ans: (a)		[1]
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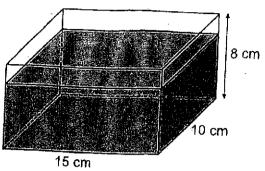
(b) Mrs Singh added some red balls into the bag.

Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick ($\sqrt{}$) to indicate your answer.

Statement	True	False	Not possible to tell
The total number of balls in the bag is 645.			TO Test
The ratio of the number of red balls to the number of green balls is 3:8.	· ·		· · · · · · · · · · · · · · · · · · ·
After Mrs Singh packed the yellow balls equally into 3 boxes, the number of yellow balls in each box is less than the number of green balls in the bag.	·		

Sam read 35 pages more than $\frac{2}{7}$ of his storybook. There were 175 11 pages left to be read. (a) What was the total number of pages in his storybook? (b) How many pages did Sam read?

Kevin had a pail containing 6500 ml of water. He poured water from the pail into an empty rectangular container measuring 15 cm by 10 cm by 8 cm until the rectangular container was $\frac{5}{6}$ -filled with water.



(a) Find the volume of water Kevin poured into the rectangular container.

Ans:	(a)		[1]	1
------	-----	--	-----	---

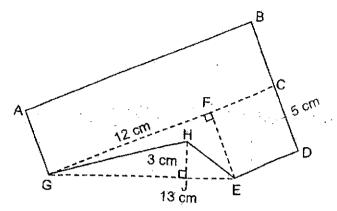
(b) The remaining amount of water left in the pail was then poured into empty identical bottles. Each bottle was filled to the brim. The capacity of each bottle was 575 ml. How many such bottles were completely filled with water?

Ans: (b)	ins:		[3	1
----------	------	--	----	---

13	Box A had the number of means and the and 312.	ne greatest num arbles. The diff e number of mai	nber of marbles and ference in the numbe rbles in the other thre	oxes, A, B, C and D. Box D had the least r of marbles between e boxes were 14, 114
				between Box B and
	- 1			
			Ans: (a)	[1]
	(b) How ma	any marbles wer	e there in Box D?	

Ans: (b) _____[3]

The outline of figure ABDEHG below is formed by a square, a rectangle and 2 triangles. BCD, GJE and GFC are straight lines. EG = 13 cm, FG = 12 cm, HJ = 3 cm and BC = CD = 5 cm.



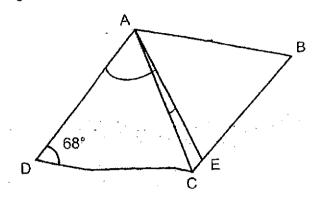
(a) Find the area of triangle GHE.

Ans:	(a)		[1	
------	-----	--	----	--

(b) Find the area of figure ABDEHG.

Ans:	(b)		[3]
------	-----	--	-----

In the figure below, ABCD is a rhombus. AE = CD and $\angle ADC = 68^{\circ}$.



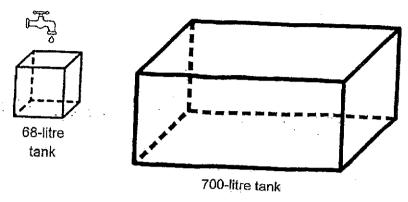
(a) Find ∠DAC.

Ans:	(2)	[1]	ł
ANS.	(a)	f.1	ļ

(b) Find ∠CAE.

Ans:	(þ)		[3]
------	-----	--	-----

A tap was turned on to fill an empty 68-litre tank. It took 8 minutes to fill the tank completely.



(a) What was the rate of flow of water from the tap in litres per minute?

[2

(b) The same tap was used to fill an empty 700-litre tank and was turned off after 75 minutes. How much more water was needed to completely fill the 700-litre tank?

Ans:	(b)		[3]
------	-----	--	-----

		squares and vn below.	d white	squares	to form	i figure:	s that fo	ollow a		
Figure 1	/_\ T F	igure 2 ne table belo	Figure 3	s the n	Figure 4	of arev	Figures squares the tab	s and w	nite igure 6	3.
	ſ	Figure Nu		1	2	3	4	5	6]
		Number of square	grey	0	2	2	6	6		
		Number of square	white	1	1	4	4	9		
		Total num squar		1	3	6	10	15		
		Find the for			Ans	s: (b)				[1] _ [2]
					Ai	ns: (c))			[2]

17



END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 1

(BOOKLET A)

Total Duration for Booklets A and B: 1 hour

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

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Name:	()
Class: Primary 5 ()	

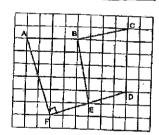
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer, Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

- - (1) 8
 - (2)
 - (3)
- Express 7045 grams in kilograms.

 - (2)

(3)

In the square grid below, which the is perpendicular to FD?



- (1) AF
- (2)
- (1)
- (4) ED

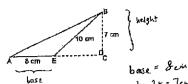
- A printer can print 12 pages in 60 seconds. How long will this printer take to print 30 pages?
 - (1) 24 Becombs
- 12 pages -- 60 s
- (2) 120 seconds

- = £ s (4) 300ages - 30x5;
- = 150s
- Susan baked 80 cupcakes, <u>56</u> of them were <u>strawberry cupcakes</u> and the rest were chocolate cupcakes. What <u>percentage</u> of the cupcakes baked were <u>strawberry cupcakes</u>?

- (3)
- = 70%
- (4) 70%

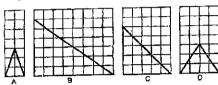
- (4)
- Muthu had \$220. He spent 20% of his morey. How much money did he spend?

In the figure below, AEC is a straight line and BC is perpendicular to AC. $\Delta E = 8$ cm, BE = 10 cm and BC = 7 cm. What is the area of triangle ABE?



- (1) 28 cm²
- (2) 40 cm²
- (3)

- 6)
- rare grids below, which of the following is true for the following in the squ



- B is an obtuse-angled triangle (B is a right -angled A)
- C is an equilateral triangle. (the longer side is not the sque length as the other 2)

 A and D are isoscoler identifies the start of the squeeze identifies the start of the squeeze of th
- A and D are isosceles Irlangies. Truck
- B and D are right-angled triangles (D is not angled triangle)

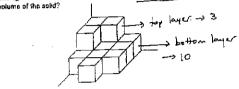
- In a class of 45 children, 27 are girls and the rest are boys. What is the ratio of the number of boys to the number of girls?
 - 45-27=18 boys 2;3
 - 3:2

- B : G
- 3;5 (4) 5:3

(3)

(1)

The figure below shows a solid formed using 1-cm cubes. What is the



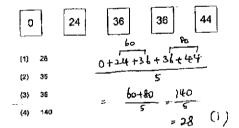
- 10+3=13
- 12 cm³
- (4)
- 13 cm

 $\frac{1}{3}$ of a number is 15. What is the number?

- (1) 5 (2)
- (3)
- (4) 45

- (4)
- - Arrange the following fractions from the smallest to the greatest, 21 bigger deseninators (3) $\frac{2}{21}$, $\frac{1}{10}$ one smaller frockers (3)

Find the average of the following 5 numbers.

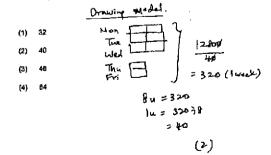


Peter made a lotal of 12.800 keychains in 40 weeks.

The number of keychains he made each day from Monday to Wednesday was twice as many as the number of keychains he made each day from Thursday to Friday.

He did not make any keychains on Saturdays and Sundays.

How many keychains did he make every Friday?



- 15 A tank contained 5.4 t of mater. All the water was poured into three empty bottles. The first bottle contained twice as much water as the second bottle. The second bottle contained 3 times as much water as the third bottle. How much water was there in the second bottle?
 - (1) 2.701 | 5 \uparrow $\xrightarrow{3u}$ $\xrightarrow{3u}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{}$ $\xrightarrow{}}$ $\xrightarrow{$
 - 10 u = 5.4 l lu = 5.4 l 0 = 0.54 l

 \mathbb{Z}

Q16	7
Q17	$\frac{1}{8} = 0.125$ $\frac{3}{8} = 0.125 \times 3 = 0.375$
Q18	Since AOC is a straight line, ∠AOC = 180° Right angle = 90° 180°- 90°- 31°= 59°
Q19	180° - 84° - 43° = 53°
Q20	81 ÷ 9 = 9 54 ÷ 9 = 6 Ans: 6
Q21	6 x 6 x 15 = 540
Q22	$2 \times 5 = 10$ $7 \times 12 = 84$ $\frac{2}{7} \times \frac{5}{12} = \frac{5}{42}$
Q23	4 bottles × $\frac{3}{4}$ litres = 3 litres 3 litres - $\frac{3}{10}$ litres = $2\frac{7}{10}$ litres = 2.7 litres
Q24	∠DAB + ∠ABC = 180° ∠DAB = 180°- 62°= 118°
Q25	\$24.50 × 7 = \$171.50 \$171.50 - \$5 = \$166.50
Q26	396 × 65 = 25740 25740 = 26000
Q27	$$50 \times \frac{8}{100} = 4$

Q28	Front view Side view	
, ; · ·		,
		The second second
Q29	12 × 4 = 48 48 × 2 = 96	
Q30	63 - 7 = 56 11 - 7 = 4 56 ÷ 4 = 14 14-1 = 13 (original number)	



END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 2

Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS

- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.
- 4. Write your answers in this booklet.
- 5. The use of an approved calculator is allowed.

Name:	,, ()	
Class: Primary 5 ()		
Parent's Signature:	Booklet A	/ 20
	Booklet B	/ 25
	Paper 2	/ 55
	Total	/ 100

Please sign and return the examination paper the next day. Any queries should be raised at the same time when returning paper.

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)

Mr Tan used $2\frac{1}{8}\ell$ of water on Monday. He used $3\frac{2}{5}\ell$ of water on Tuesday. How much water did Mr Tan use on both days? Give your as a mixed number in the simplest form.

$$1\frac{1}{8} + 3\frac{2}{5} = 5\frac{21}{40}$$

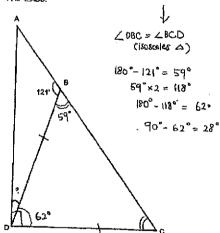
Consideration of the state of t

Sandy logged 45 km each day last week. What was the total distance she logged from Wednesday to Saturday last week? Give

your answer as a mixed number in the simplest form. We define
$$4$$
 days $4 = 19\frac{1}{5}$

1 tolat The average mass of 8 girls and 1 boy is 47 kg. the girls is 45 kg. What is the mass of the boy?

ACD is a right-angled triangle. ∠ADC = 90°. BD = CD. Find ∠ADB.



Meli has a roll of ribbon to give to a group of friends. If and gives 0.7 m of ribbon to each of her friends, she will here 0.4 m of ribbon ball? If she gives 0.6 m of ribbon to each of her friends, she will be short of 0.3 m of ribbon. What is the length of the roll of ribbon Meli has? Magn Same humber under Same no. of friends.

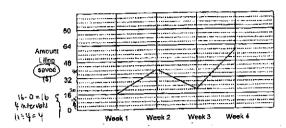
7No of]	Ι.,	, `				DESTRUCTOR	,	
frends	1	2	3	4	5	6	7	
×0.7	0.7	յ. 4	2.1	2.8	3.5	42	4.9	
+0.4	1.1	1.8	2.5	3.2	3.9	4.6	(5.3)	-
₹0.8	0.8	1.6	7.4	3,2	4,0	4.8	5.6	
-0.3	0.5	1, 3	2.1	2.9	3, 7	4,5	(5.2)	

0.2m 0,3 Short G.4m 0.5m 0.4+0.3=0.7 0.8-0.7= 0.1

0.7÷0.1=7 7x 0, 7+0, 4 = 5.3 5.3 For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The rumber of marks available is shown in brackets [] at the end of each question or part-question.

[45 marks]

The line graph balow shows the amount of money Liting saved each week over a period of 4 weeks.

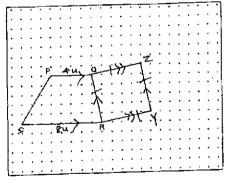


- (a) In which week did Liling save twice the amount of money she saved 20×2=40 → Week 2 in Week 3? 4 \$10
 - Ans; (a) Week ______ [1]
- (b) How much did Liling save in Weak 4? 64-4=60

Ans: (b) \$60 [1]

(c) How much less money did Liling save in Week 1 lhan in Week 27 Week 1 \$16 40-16=24 Week 2: \$40

Ans: (c) \$24



- By joining dots on the grid with straight lines,
- (a) draw a trapezium PQRS such that PQ is peralisi to SR and SR is twice the length of PQ.
- (b) draw a rhombus QRYZ such that it does not everlap with trapezium PQRS. (mare than I possible ausvir)

Two apples cost \$0.30 more than a peer. The peer costs \$0.45 more then each apple. How much will 2 such peers and 1 such apple cost. then each apple. altogether?

Apple

Cost of | apple = 0.45 + 0.3 = 0.15

1 pear = 0, 75+0,45 = 1.2

2 pear + 1 apple = 1. 2 x 2 + 0.75 **= 3.15** 4 3, 15

[3]

At Erst, Mary had 60 erasers and 65 pencils. After she gave away some All Irst. Mery had 60 erasers and 85 pencils. After she gave away some erasers and 20% of life pencils, she had a lotal of 118 erasers and pencils left. How many erasers dit Mary give away?

20% of \$5 pencils \$\Rightarrow\$ 17 pencils

Ans:

$$118 - 68 = 50$$
 (no. of erasers 1991)

10 Апа:

A hag contained some green belts and some yellow balls in the ratio 4:11. The number of green balls in the bag is 180.

(a) How many yellow balls are there in the bag?

4u = 180 Green: Yellow in = 18074 ZHX & 11 3 KHZ - 45 K45 (11 u= 11×45 180 : 495 = 495

> 495 [1] Ans: (a) __

(b) Mrs Singh added some rad bells into the bag.

Each of the statements below is either true, take or not possible to tell from the information given. For each statement, put a tick (4) to indicate your answer.

	Statement	True	False	Not possible to lell
(1),	The total number of balls in the bag is 645.		V	
(2)	The ratio of the number of red balls to the number of preen balls is 3 : 8.		✓	
(3)	After Mrs. Singh packed the yellow balls equally into 3 boxes the number of yellow balls in each box is less than the number of green balls in the bob.	√		

Statement 1: (treen ball > 180 Yetlow balls + 495 Total -> 180+495

= 175 175> 645. Storement is always false.

statement 2: Red: treen 3.8 67.5, 180 2 180:8- 22.5

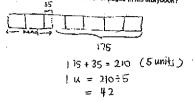
12.5 × 3 = 67.5 not possible for balls to not be a unale no

statement 3: 12 Yellow balls > 495 Each box 495-3 - 165 toeen balls > 180 165 is less than 180. statement is true.

1.1 Sam raid 35 pages more than $\frac{2}{7}$ of the slorybook. There were 175 pages left to be read.

authoris on the secondary time, in proceedings

(a) What was the total number of pages in his storybook?



74 = 42x7 = 294

Ans: (a) 294

(b) How many pages old Sam read?

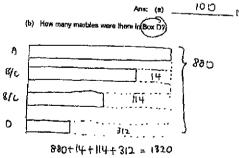
84+35=119

Ans:	(b)	119

- 13 A factory worker packed 880 marbles into four boxes, A, B, C and D. Box A had the greatest number of marbles and Box D had the least number of marbles. The difference in the number of marbles between Box A and the number of marbles in the other three boxes were 14, 114 and 312.
 - (a) Find the difference in the number of marbles between Box B and Box C.

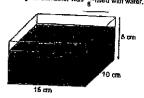
BOXA B/C B/C BOX D

14 different 114-14-100



880+14+114+312 = 1320 1 unit of A = (320) 1 unit = 1320+4 = 330

330-312 = 18 Ans: (b) ______18 12 Kevin had a pall containing 8500 mi of water. He pound water from the pair into an empty rectangular container measuring 15 cm by 10 cm by 8 cm until the rectangular container was $\frac{6}{5}$ -filled with water.



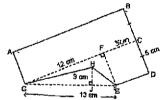
(a) Find the volume of water Kevin poured Into the rectangular container.

(b) The remaining amount of water left in the pair was then poured into empty identical bottles. Each bottle was filled to the brim. The capacity of each bottle was 575 ml. How many such bottles were conspletely filled with water?

boll es

Ans: (b) _____ 9 ____(3)

14 The guilling Graguer ABDEHS between its formed by a leguage, a legicargle and 5 triangles. BCD, GLE and GFC are straight lines. EG = 13 ora, FG = 12 ora, HJ = 3 ora and BC = CD = 5 cm.



(a) Find the area of Irlangle GHE.

Ane: (a) $\frac{19.5 \text{ cm}^2}{19.5 \text{ cm}^2}$ [1]

(b) Find the area of Equate ABDE(HG.)

Anex of \triangle (AFE = $\frac{1}{2}$ X 12X 5 | Anex of GFE ~ GHE

= 30 = 30~19.5

Area of sq. FCDE = 5X 5 = 10.5

= 25

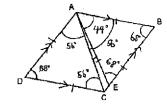
Area of \square ABC (= (12+5) × 5

= 85

Total area = 10.5 + 25 + 85= 120.5

Anex (b) 120.5×10^{-2} rad

In the figure balow, ABCD is a mornbus. AE = CD and ∠ADC = 68°.



(a) Find ∠DAC

$$(180^{\circ}-68^{\circ}) \div 2 = 56^{\circ}$$

 $\angle DAC = \angle DCA \text{ (isoscetes } \triangle)$

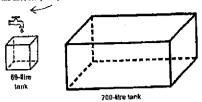
Ans: (8) _____56° |11] .

(b) Find ∠CAE.

Since AB = AE, A ABE is an isosceles A

12

A lap was turned on to fill an empty 66-like tank. It look 8 minutes to fill the tank completely.



(a) What was the rate of flow of water from the tap in litras per minute?

$$68l \rightarrow 8 min \qquad 2 \pm 8$$

$$68 + 8 \rightarrow 1 min$$

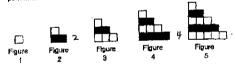
$$= 8.5$$

Are: (a) 858/min (2)

(b) The same lap was used to \$i an empty 700-litre lank and was turned off after 75 minutes. How much more was needed to completely \$ii the 700-litre lank?

Arie: (b) 62.5 L (3)

Eric uses grey squares and white aquares to form figures that follow a



(a) The table below shows the number of grey squares and white squares for the first five figures. Complete the table for Figure 6.

and Mary Band	1 4			4	5 .	. 6
Figure Number	├ ~	L <u>-</u>	H-1		7	S
Number of grey	9 +	2 2	5 4	4 5	5	12
Number of White equeres	7,	1 12	42*	4 2*	9 32	93.
Total number of squares	0.	<u></u>	⑤ 、	Ø.	15	21

10:2=5

(c) Find the total number of squares in Figure 77.

Figure 1	Total no.	Total sq. in figure 77
-	0	= 1+2+3+ +75+76+7
2	1+2-3	= (76H) × 38 pajxs +77
_3 _	1+2+3-6	= 3003
4	171311-10)	Ans: (c)3003 [2
()	i	

End of Paper



END-OF-YEAR EXAMINATION 2024

PRIMARY 5

MATHEMATICS PAPER 2

Duration: 1 hour 30 minutes

ISTRUCTIONS T	O PUPILS
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Vamo: Student Ans Key ()	
Class: Primary 5 ()		
Parent's Signature:	Booklet A	j 20
	Booklet B	ſ 25
	Paper 2	/ 55
		1.450

Please eign and return the examination paper the next day. Any queries should be raised at the same time when returning paper.