TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

2026 PRIMARY 6 PRELIMINARY EXAMINATION

Name: _____ ( ) Date: 18 August 2026

Class: Primary 6 ( ) Time: 8:00 am – 9:10 am

Parent's Signature: _____ Marks: _____ /100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS
PAPER 1
(BOOKLET A)

26

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn this page over until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).
6. The use of calculators is **NOT** allowed.

This booklet consists of 9 printed pages and 1 blank page.

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Questions **1** to **10** carry 1 mark each. Questions **11** to **18** 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.

(26 marks)

---

1 Thirty-five thousand. one hundred and seven in numerals is _____.

(1) 3517

(2) 35 107

(3) 35 170

(4) 350 107

2 How many quarters are there in $4\frac{1}{2}$?

(1) 9

(2) 17

(3) 18

(4) 36

3 Express $2\frac{9}{20}$ as a decimal.

(1) 2.92

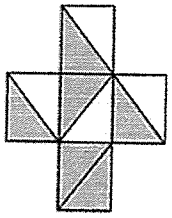
(2) 2.90

(3) 2.45

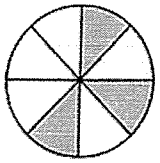
(4) 2.36

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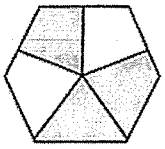
4 Which of the following shows $\frac{3}{5}$ of the figure shaded?



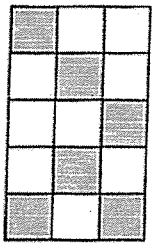
(1)



(2)



(3)



(4)

5 Arrange these masses from the heaviest to the lightest.

3 kg 70 g	$3\frac{1}{4}$ kg	3.2 kg

	Heaviest		Lightest
(1)	$3\frac{1}{4}$ kg	3.2 kg	3 kg 70 g
(2)	$3\frac{1}{4}$ kg	3 kg 70 g	3.2 kg
(3)	3.2 kg	3 kg 70 g	$3\frac{1}{4}$ kg
(4)	3 kg 70 g	$3\frac{1}{4}$ kg	3.2 kg

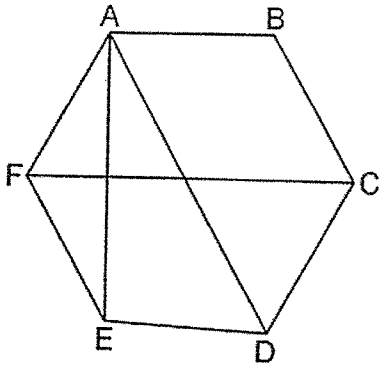
6 Which two lines are perpendicular to each other?

(1) AB and FC

(2) AD and BC

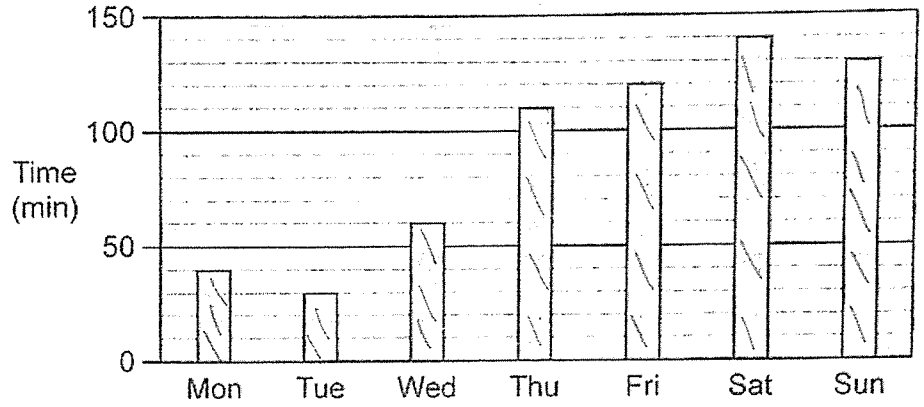
(3) AE and ED

(4) AE and FC



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7 The recommended daily screen time limit for children aged 7 to 12 years old is less than 2 hours. The graph shows 11-year-old Sarah's daily screen time over seven days.



On how many days did she keep her screen time below the recommended daily limit?

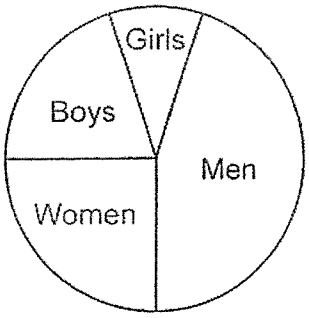
(1) 5

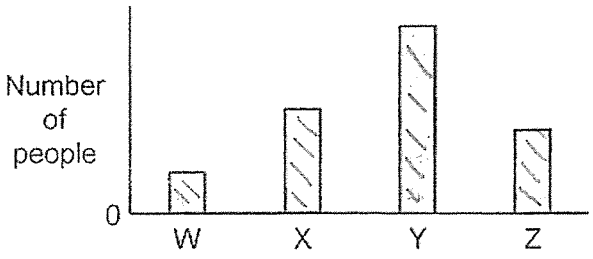
(2) 6

(3) 3

(4) 4

8 The pie chart represents the number of people in a cinema. The information is also represented by a bar graph. The different groups of people are represented by the labels W, X, Y and Z.





Which label represents the boys in the bar graph?

(1) W

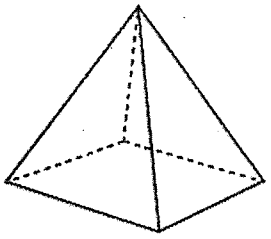
(2) X

(3) Y

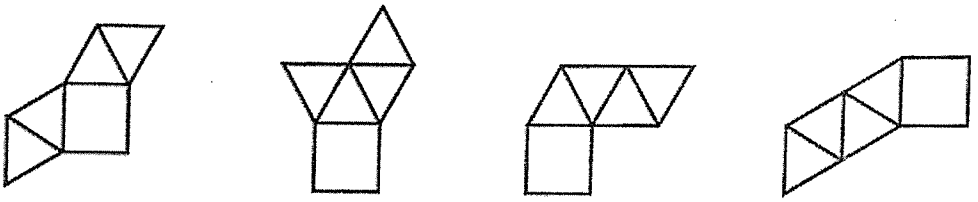
(4) Z

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9 The figure shows a pyramid.



Which of the following are nets of the pyramid?



A B C D

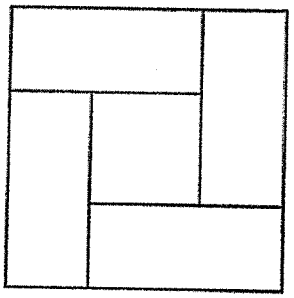
(1) A and B

(2) A and D

(3) B and C

(4) C and D

10 The figure is formed using four identical rectangles and a square.
The area of the figure is 100 cm^2. Find the perimeter of each rectangle.



(1) 10 cm

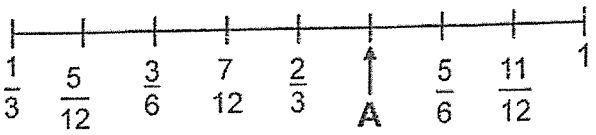
(2) 20 cm

(3) 40 cm

(4) 50 cm

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11 In the number line, what is the value represented by A?



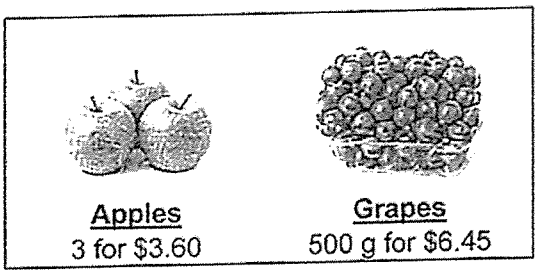
(1) $\frac{2}{3}$

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

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

(4) $\frac{5}{12}$

12 Mdm Asmah bought 12 apples and 1 kg of grapes. How much did she pay?



(1) $20.85

(2) $23.70

(3) $27.30

(4) $33.75

13 The price of a drink increased by 50% and then decreased by 50%.
Which of the following statements is correct?

(1) The final price is the same as the original price.

(2) The final price is 25% lower than the original price.

(3) The final price is 25% higher than the original price.

(4) The final price is half of the original price.

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14 The train schedule for City Centre Station is shown.

Train	Leaves City Centre Station
A	6:38 am
B	6:42 am
C	6:46 am
D	6:50 am
E	6:54 am

Jodie takes 18 minutes to travel from City Centre Station to Seaside Station. When she gets off the train at Seaside Station, she takes another 8 minutes to walk to school. She wants to arrive in school between 7:05 am and 7:15 am. Which trains can she take?

(1) A, B and C

(2) B and C

(3) C, D and E

(4) D and E

15 Mr Lim spent $120 on 6 storybooks and 4 water bottles. The cost of 3 storybooks was the same as the cost of 2 water bottles. After buying the items, he had $84 left. What was the greatest number of water bottles that Mr Lim could buy with the money he had left?

(1) 5

(2) 6

(3) 7

(4) 8

END OF PAPER

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16 300 students from Pine School, Queens School and River School attended a camp. The number of boys who attended the camp from each school was the same. 25% of the students from Pine School, 40% of the students from Queens School and 50% of the students from River School were girls.
Find the total number of girls who attended the camp.

(1) 185

(2) 180

(3) 120

(4) 115

17 Benny had some money left after buying clothes, shoes and a bag. He spent $\frac{2}{5}$ of his money on clothes and $\frac{1}{3}$ of his money on shoes. He spent $105 less on the bag than on the clothes. The amount he had left was $\frac{3}{5}$ of the amount spent on the bag. How much money did Benny have left?

(1) $180

(2) $150

(3) $75

(4) $45

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

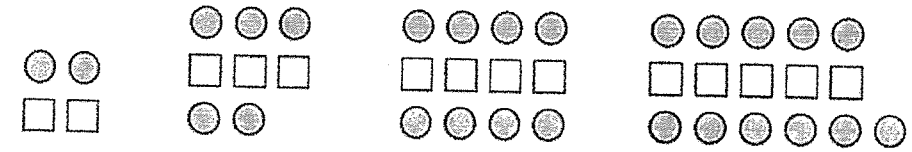


Figure 1 Figure 2 Figure 3 Figure 4

A figure in the pattern has 110 circles. What is the number of squares in this figure?

(1) 35

(2) 36

(3) 37

(4) 38

(Go on to Booklet B)

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TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

2026 PRIMARY 6 PRELIMINARY EXAMINATION

Name: _____ ( ) Date: 18 August 2026

Class: Primary 6 ( ) Time: 8:00 am – 9:10 am

Parent's Signature: _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS
PAPER 1
(BOOKLET B)

24

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
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3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. The use of calculators is **NOT** allowed.
7. Do not use correction fluid/tape.
8. Do not use highlighters on any part of your answers.

This booklet consists of 7 printed pages and 1 blank page.

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Questions **19** 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.

(24 marks)

19 (a) Find the value of $120 - 80 \div (20 - 12) \times 2$

Ans: (a) _____

(b) Find the second common multiple of 6 and 9.

Ans: (b) _____

20 (a) Find the value of $6\frac{1}{8} - 2\frac{3}{4}$. Express your answer as a mixed number.

Ans: (a) _____

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

Ans: (b) _____

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21 (a) Round 8.755 to the nearest hundredth.

Ans: (a) _____

(b) Find the value of 0.435×300

Ans: (b) _____

---

22 (a) Express 8 h 45 min in minutes.

Ans: (a) _____ min

(b) Express 3465 cm in metres and centimetres.

Ans: (b) _____ m _____ cm

---

23 Find the value of each of the following expressions when $y = 8$.

(a) $5y + 8 - 2y + 3$

Ans: (a) _____

(b) $\frac{2y}{4} + y$

Ans: (b) _____

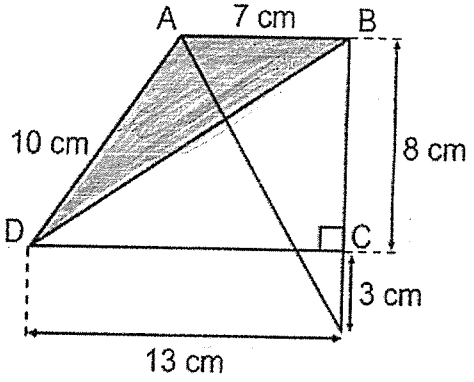
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24 Liyana bought 6 identical pens and 1 ruler for \$14.70. The ruler cost \$1.50. What was the cost of each pen?

Ans: \$_____

---

25 ABCD is a trapezium. Find the area of the shaded triangle.

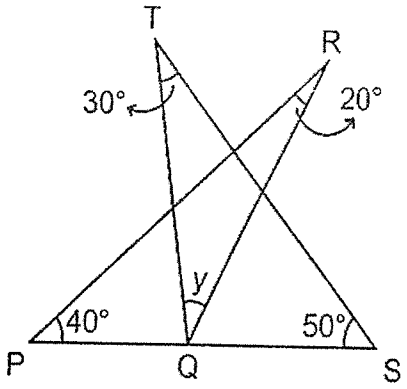


Ans: _____ cm^2

---

26 PQR and SQT are triangles. PQS is a straight line.

Find $\angle y$.



Ans: _____ °

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27 Michael has some blue, red and yellow marbles. The ratio of the number of blue marbles to red marbles is 3 : 2. The ratio of the number of yellow marbles to red marbles is 6 : 5. There are 60 more blue marbles than yellow marbles. How many marbles does Michael have altogether?

Ans: _____

---

28 The table shows the parking charges at a car park.

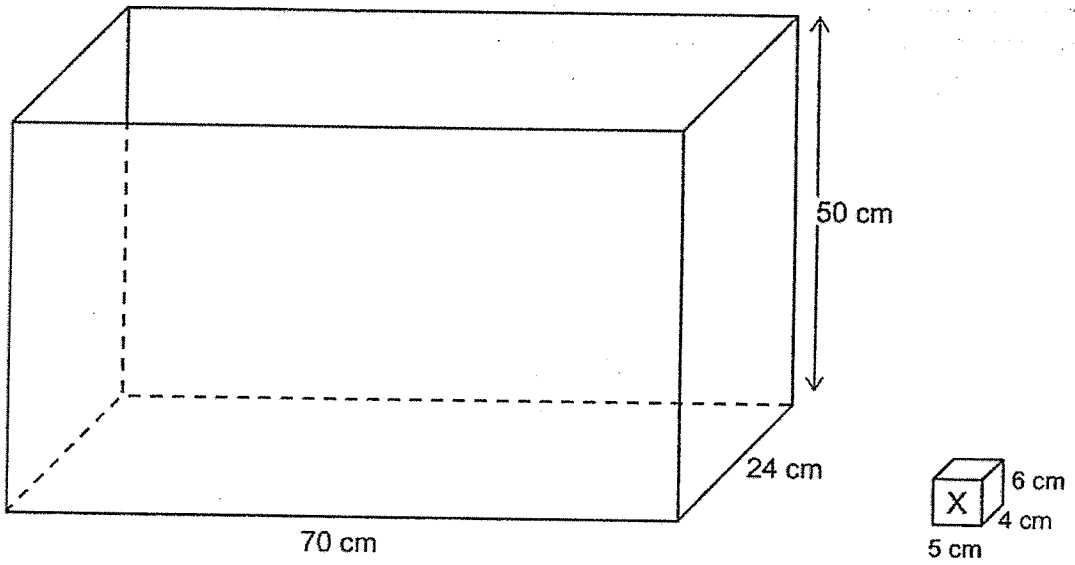
For the first hour	?
For every additional 15 minutes or part thereof	$0.50

Mr Ravi parked his car from 3:45 pm to 5:50 pm. He paid $4.30 in parking charges. How much did it cost to park for the first hour?

Ans: $_____

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29 A rectangular container and cuboid X are shown.



What is the greatest number of cuboid X that can be packed into the rectangular container?

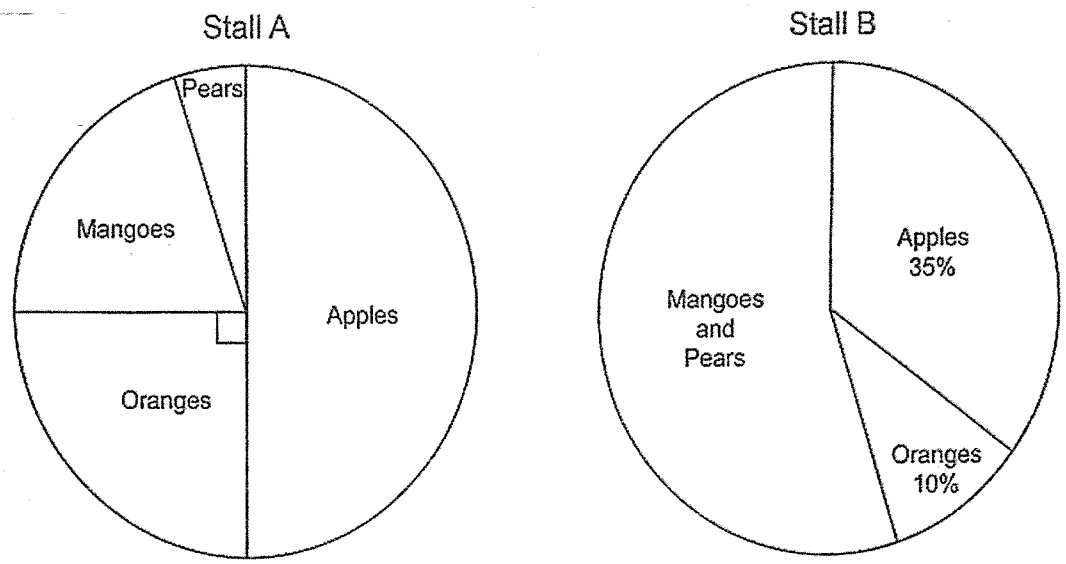
Ans: _____

[3]

[Total: 3]

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30 The pie charts show the number of each type of fruits sold at two fruit stalls, A and B. The number of each type of fruit sold was a whole number. Stall B sold 30 oranges.



Each of the statements below is either true, false or not possible to tell from the information given. Put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
$\frac{1}{20}$ of the fruits sold at Stall A are pears.			
Stall A sold more apples than Stall B.			
Stall B sold the same number of mangoes and pears.			

End of Paper

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TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

2026 PRIMARY 6 PRELIMINARY EXAMINATION

Name: _____ Date: 18 August 2026

Class: Primary 6 ( ) Time: 10:30 am – 11:50 am

Parent's Signature: _____

MATHEMATICS

PAPER 2

/50

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn this page over until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. The use of an approved calculator is allowed.
7. Do not use correction fluid/tape.
8. Do not use highlighters on any part of your answers.

This booklet consists of 14 printed pages.

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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 Use all the digits 6, 5, 8, 1 to form

(a) the largest even number.

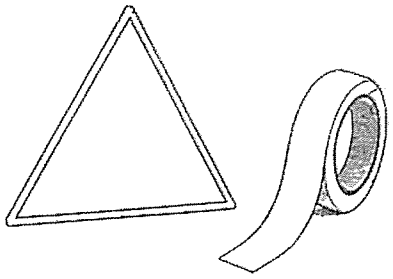
Ans: (a) _____

(b) the number closest to 6000.

Ans: (b) _____

---

2 Hariz has a 5-m roll of tape. He wants to frame the perimeter of some triangular signs. The perimeter of each sign is $\frac{7}{50}$ m. After framing as many signs as possible, how much tape is left?



Ans: _____ m

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3 The table shows the costs of renting a bicycle at a shop.

Weekdays	First hour	\$16
	Second hour	Free
	Every additional hour or less	\$6
Weekends	First 3 hours	\$25
	Every additional hour or less	\$7

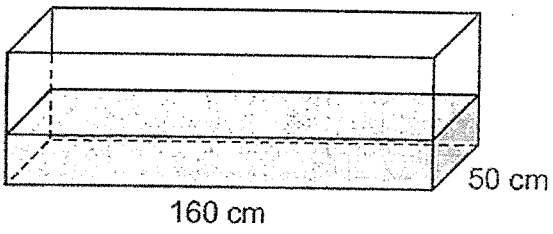
Ryan paid \$46 to rent a bicycle last Wednesday.
Find the longest possible duration he rented the bicycle for.

Ans: _____ h

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4 At first, a rectangular tank was completely filled with water. Divyesh poured some water from the tank to fill 32 identical pails completely. The capacity of each pail was 7.5 ℓ.

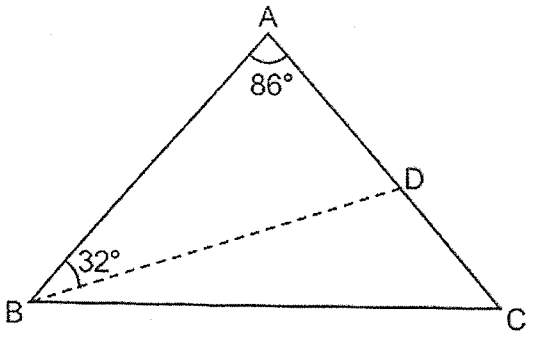
The tank then became $\frac{3}{8}$ filled as shown. Find the height of the tank.



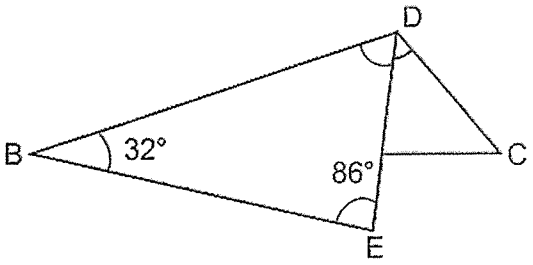
Ans: _____ cm

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5 Farah has a triangular piece of paper ABC. She folded it along the line BD as shown.



Before folding



After folding

Find ∠CDE.

Ans: _____°.

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For questions **6** to **15**, show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (40 marks)

---

6 Lynn, Mei and Nina saved some money. Mei saved $\$k$. Mei saved \$2 more than Lynn. The ratio of the amount Mei saved to the amount Nina saved is 1 : 3.

(a) Find the total amount Lynn, Mei and Nina saved in terms of k.
Give your answer in the simplest form.

Ans: (a) \$ _____ [1]

(b) The average amount Lynn, Mei and Nina saved is \$11. Find the value of k.

Ans: (b) _____ [2]

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7 Shahid had some money. He spent 25% of his money on books. He then spent 20% of the remaining money on stationery. He saved the rest of his money.

(a) What percentage of his money did Shahid save?

Ans: (a) _____% [1]

(b) Shahid saved $66. How much did he spend on books?

Ans: (b) $ _____ [2]

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8 The first 20 numbers of a number pattern are given below.
The numbers are marked with triangles ▲, squares □ and circles ○.

1	2	3 ▲	4 □	5	6 ▲	7	8 □	9 ▲	10
11	12 ○	13	14	15 ▲	16 □	17	18 ▲	19	20 □

(a) Find the average of all the numbers from 100 to 150, including both 100 and 150, that would be marked with a circle ○.

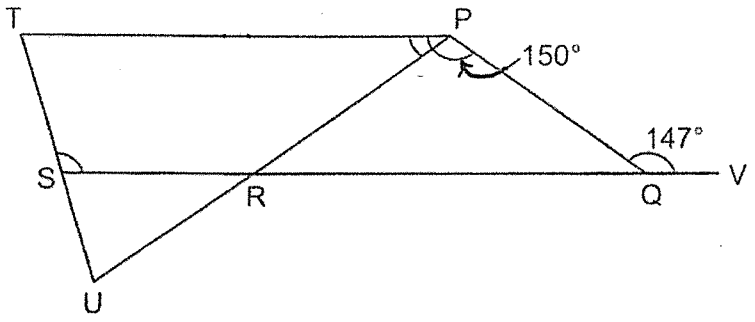
Ans: (a) _____ [2]

(b) How many numbers from 200 to 300, including both 200 and 300, would be marked with either a triangle ▲ or a square □, but not a circle ○ ?

Ans: (b) _____ [2]

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9 TSU, PRU and SRQV are straight lines. PR = PQ and PT = PU. ∠TPQ = 150°.



(a) Find ∠TPU.

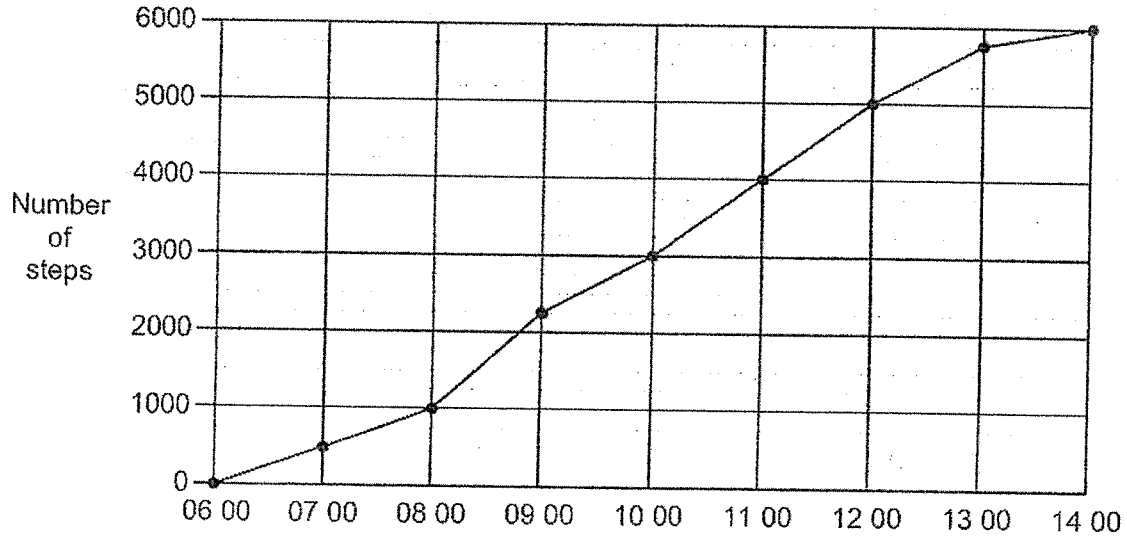
Ans: (a) _____° [2]

(b) Find ∠RST.

Ans: (b) _____° [2]

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10 The graph shows the number of steps Mrs Tan walked from 06 00 to 14 00 last Monday.



(a) During which one-hour interval did Mrs Tan walk the greatest number of steps? How many steps did she walk during this interval?

Ans: (a) _____ to _____

Number of steps: _____ [1]

(b) Find the percentage increase in the number of steps Mrs Tan walked from 09 00 to 11 00. Give your answer to 2 decimal places.

Ans: (b) _____ % [2]

(c) By 14 00, the number of steps Mrs Tan had walked was $\frac{15}{28}$ of the total number of steps she walked on that day.
Find the total number of steps she walked on that day.

Ans: (c) _____ [1]

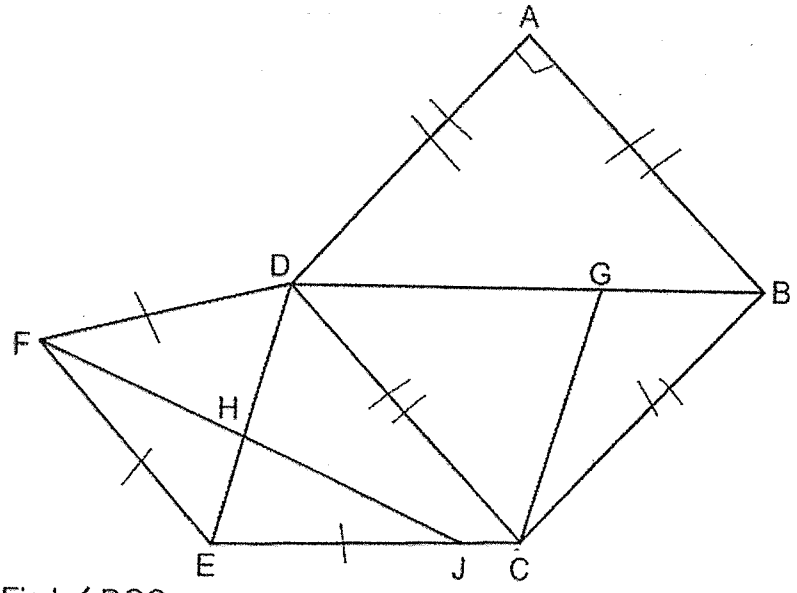
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11 Olivia and Paul each have the same total number of ice cream sticks and straws. Olivia has some ice cream sticks and 48 straws. The total length of Olivia's ice cream sticks and straws is 13.104 m. Paul has some ice cream sticks and 25 straws. The total length of Paul's ice cream sticks and straws is 11.195 m. The length of each straw is 19.7 cm. Find the length of each ice cream stick.

Ans: _____ cm [3]

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12 ABCD is a square and DEF is an equilateral triangle.
DGB, DHE, EJC and FHJ are straight lines. ED = EJ. ∠FDC = 126°.



(a) Find ∠DGC.

Ans: (a) _____° [1]

(b) Find ∠CJH.

Ans: (b) _____° [2]

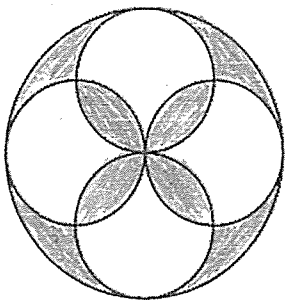
(c) Circle the words that describe CEDG correctly in the following statement.

DGCE (**is** / **is not**) a parallelogram because the sum of ∠EDG and ∠DGC (**is** / **is not**) 180°.

[1]

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13 The figure is formed using four identical small circles and a big circle. The four small circles touch at the centre of the big circle. The radius of the big circle is 14 cm.



(Take $\pi = \frac{22}{7}$)

(a) Find the circumference of the big circle.

Ans: (a) _____ cm [1]

(b) Find the area of the unshaded part inside one small circle.

Ans: (b) _____ cm^2 [2]

(c) Find the total area of the shaded parts.

Ans: (c) _____ cm^2 [2]

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14 Wendy had some money. She spent $\frac{3}{7}$ of her money on 6 identical T-shirts and 3 identical dresses. She then spent $\frac{1}{2}$ of her remaining money on a jacket. Each dress cost \$17 more than each T-shirt and the jacket cost \$57 more than each dress.

(a) What fraction of Wendy's money was spent on the jacket?

Ans: (a) _____ [1]

(b) What was the total amount spent on the T-shirts and dresses?

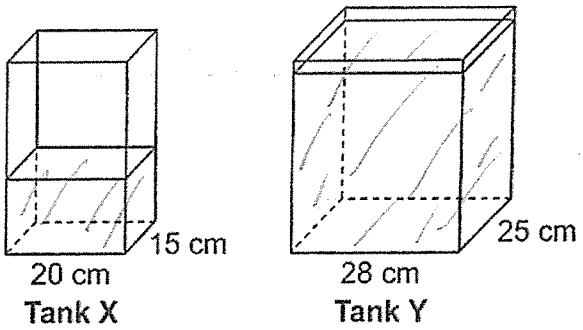
Ans: (b) \$ _____ [3]

(c) How much money did Wendy have at first?

Ans: (c) \$ _____ [1]

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15 The figure shows the amount of water in rectangular tanks X and Y.
Tank Y contained 16 000 cm^3 more water than tank X.
The height of the water level in tank Y was 16 cm more than that of tank X.



(a) Find the height of the water level in tank X.

Ans: (a) _____ cm [3]

(b) Lisa poured some water from tank Y into tank X.
The height of the water level in tank X was then the same as that of tank Y.
Find the amount of water in tank X in the end.

Ans: (b) _____ cm^3 [2]

End of Paper

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YEAR : 2026
LEVEL : PRIMARY 6
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHEMATICS
TERM : PRELIMINARY EXAMINATION

(BOOKLET A)

Q1	2	Q2	3	Q3	3	Q4	1	Q5	1
Q6	4	Q7	4	Q8	4	Q9	1	Q10	2
Q11	2	Q12	3	Q13	2	Q14	2	Q15	1
Q16	3	Q17	4	Q18	4				

(BOOKLET B)

Q19	(a) 100 120 – 80 ÷ (20 – 12) × 2 = 100 (b) 36 LCM of 6 and 9 = 18; second common multiple = 36	Q20	(a) $3\frac{3}{8}$ $6\frac{1}{8} - 2\frac{3}{4} = 3\frac{3}{8}$ (b) $\frac{20}{27}$ $\frac{2}{3} \div \frac{9}{10} = \frac{2}{3} \times \frac{10}{9} = \frac{20}{27}$
Q21	(a) 8.76 8.755 rounds up to 8.76. (b) 130.5 0.435 × 300 = 130.5	Q22	(a) 525 min 8 × 60 + 45 = 525 min (b) 34 m 65 cm 3465 cm = 34 m 65 cm
Q23	(a) 35 5(8) + 8 – 2(8) + 3 = 35 (b) 12 $\frac{2(8)}{4} + 8 = 12$	Q24	\$2.20 (\$14.70 – \$1.50) ÷ 6 = \$2.20
Q25	28 cm^2 $\frac{1}{2} \times 7 \times 8 = 28\ cm^2$	Q26	40° ∠PQR = 180° – 40° – 20° = 120° ∠RQS = 60°; ∠TQS = 100° y = 100° – 60° = 40°
Q27	740 marbles Blue : Yellow : Red = 15 : 12 : 10 3 units = 60; 1 unit = 20 37 × 20 = 740	Q28	\$1.80 After the first hour: 65 min = 5 charge blocks 5 × \$0.50 = \$2.50 \$4.30 – \$2.50 = \$1.80

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Q29	700 cuboids 66 cm section: $11 \times 6 \times 10 = 660$ Remaining 4 cm section: $1 \times 4 \times 10 = 40$ $660 + 40 = 700$	Q30	(i) True: pears at Stall A = $\frac{1}{20}$ (ii) Not possible to tell: Stall A's total is not given. (iii) False: Stall B's remaining 55% = 165, which cannot be split into two equal whole numbers.

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PAPER 2

Q1	(a) 8516 Largest possible leading digits, with an even last digit. (b) 5861 6000 – 5861 = 139; 6158 – 6000 = 158	Q2	$\frac{1}{10}$ m $5 \div \frac{7}{50} = 35$ remainder $\frac{1}{10}$ m
Q3	7 h \$46 – \$16 = \$30 \$30 ÷ \$6 = 5 additional hours 1 h + 1 free h + 5 h = 7 h	Q4	48 cm 32×7.5 L = 240 L = 240,000 cm^3 Removed fraction = $1 - \frac{3}{8} = \frac{5}{8}$ Capacity = $240{,}000 \times \frac{8}{5} = 384{,}000$ cm^3 Height = 384,000 ÷ (160 × 50) = 48 cm
Q5	56° ∠ADB = 180° – 86° – 32° = 62° ∠BDC = 180° – 62° = 118° Folding gives ∠BDE = 62°. ∠CDE = 118° – 62° = 56°	Q6	(a) \$(5k – 2) Lynn = k – 2; Mei = k; Nina = 3k Total = (k – 2) + k + 3k = 5k – 2 (b) k = 7 5k – 2 = 3 × 11 = 33; 5k = 35
Q7	(a) 60% After books: 75%; stationery = 20% × 75% = 15% Saved = 100% – 25% – 15% = 60% (b) \$27.50 \$66 = 60%; original = \$110 Books = 25% × \$110 = \$27.50	Q8	(a) 126 Circle marks are multiples of 12. 108, 120, 132, 144 have average 126. (b) 42 numbers Multiples of 3: 34; muitiples of 4: 26 Multiples of 12: 9 (34 – 9) + (26 – 9) = 42
Q9	(a) 36° ∠PQR = 180° – 147° = 33°; ∠PRQ = 33° ∠RPQ = 114°; ∠TPU = 150° – 114° = 36° (b) 105° ∠TUP = (180° – 36°) ÷ 2 = 72°; ∠SRU = 33° ∠USR = 180° – 72° – 33° = 75° ∠RST = 180° – 75° = 105°	Q10	(a) 08:00 to 09:00; 1250 steps 2250 – 1000 = 1250 (b) 77.78% $\frac{1750}{2250} \times 100\% = 77.78\%$ (c) 11,200 steps 6000 ÷ 15 × 28 = 11,200

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Q11	11.4 cm 13.104 m = 1310.4 cm; 11.195 m = 1119.5 cm Olivia has 23 more straws, so Paul has 23 more sticks. $23 \times (19.7 - x) = 1310.4 - 1119.5 = 190.9$ $19.7 - x = 8.3$; $x = 11.4$ cm	Q12	(a) 70° $\angle DCG = 65°$; $\angle GDC = 45°$ $\angle DGC = 180° - 65° - 45° = 70°$ (b) 155° $\angle EFJ = 25°$; EF = EJ, so $\angle EJF = 25°$ $\angle CJH = 180° - 25° = 155°$ (c) is not; is not $111° + 70° = 181°$, not 180°
Q13	(a) 88 cm $2 \times \frac{22}{7} \times 14 = 88$ cm (b) 98 cm² Small circle: $154 - 56 = 98$ cm² (c) 224 cm² $4 \times 56 = 224$ cm²	Q14	(a) $\frac{2}{7}$ Remaining = $\frac{4}{7}$; half = $\frac{2}{7}$ (b) $123 T-shirt = $x; dress = $(x + 17); jacket = $(x + 74) $2[6x + 3(x + 17)] = 3(x + 74)$; $x = 8$ 6($8) + 3($25) = $123 (c) $287 $123 is $\frac{3}{7}$; $123 $\times \frac{7}{3}$ = $287
Q15	(a) 12 cm $700(h + 16) - 300h = 16{,}000$ $400h = 4800$; $h = 12$ (b) 6960 cm³ Total = 300(12) + 700(28) = 23,200 cm³ Equal height = 23,200 ÷ 1000 = 23.2 cm Tank X = 300 × 23.2 = 6960 cm³		

END

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