Index No. | | | | | | – | |

MINISTRY OF EDUCATION, SINGAPORE
PRIMARY SCHOOL LEAVING EXAMINATION

0008/1 (A)

PSLE
2024

MATHEMATICS
PAPER 1
(BOOKLET A)

Additional materials: Optical Answer Sheet (OAS)

Total Time for Booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your index number in the boxes at the top right-hand corner.
2. Do not turn over this page 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 7 printed pages and 1 blank page.

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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 Forty thousand and eighty-six in numerals is _____.

(1) 4086

(2) 40 086

(3) 40 860

(4) 400 086

2 Express $1\frac{7}{50}$ as a decimal.

(1) 1.75

(2) 1.70

(3) 1.14

(4) 1.07

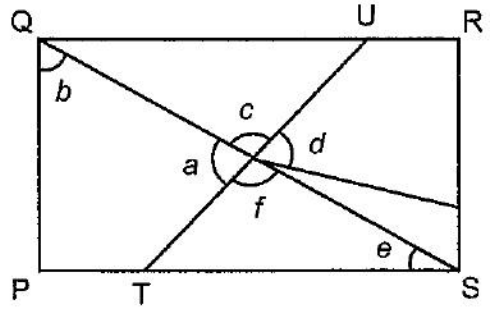
3 PQRS is a rectangle. QS and TU are straight lines.
Which of the following is true?

(1) $\angle a = \angle b$

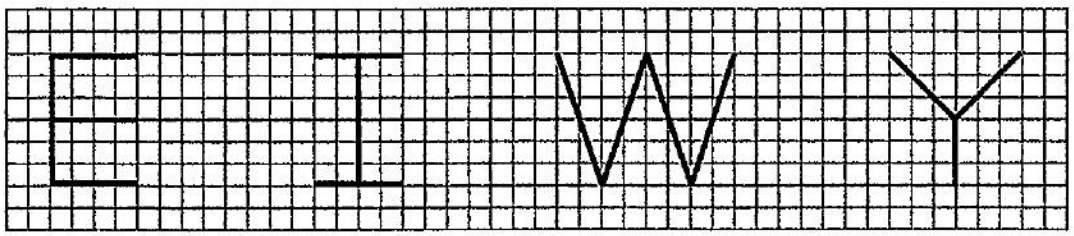
(2) $\angle a = \angle d$

(3) $\angle c = \angle f$

(4) $\angle e = \angle b$

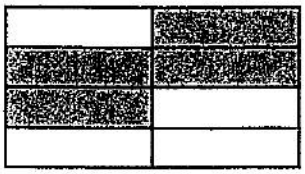


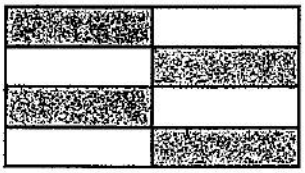
4 Which letter below has parallel lines but **no** perpendicular lines?

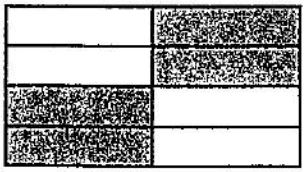


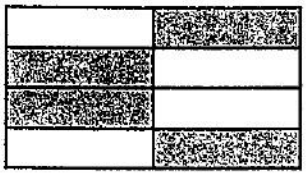
(1) (2) (3) (4)

5 Each figure below is made up of 8 identical rectangles.
Which one has a line of symmetry?

(1) 

(2) 

(3) 

(4) 

6 The table shows the number of participants who completed a race for each timing.
The fastest 25 participants earned points.

Time in seconds	Number of participants
36 and below	12
37	13
38	25
39	14
40	11

What was the timing of the slowest participant who earned points?

(1) 37 seconds

(2) 38 seconds

(3) 39 seconds

(4) 40 seconds

(Go on to the next page)

7 Find the value of $5x - 1 + 2x$ when $x = 3$.

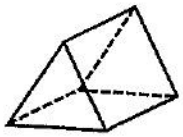
(1) 6

(2) 8

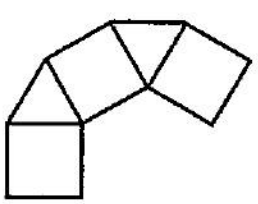
(3) 18

(4) 20

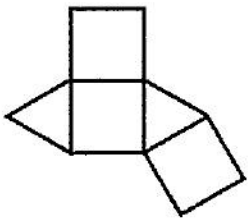
8 The figure shows a prism.



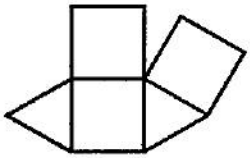
Which of the following is a net of the prism?



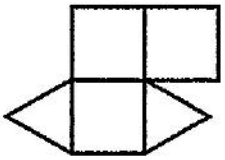
(1)



(2)

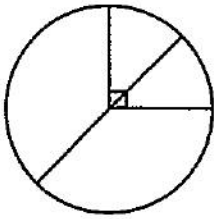


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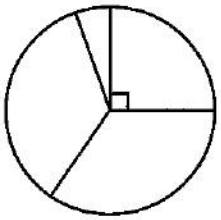


(4)

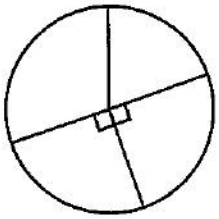
9 Some students were asked to choose their favourite colour. $\frac{1}{4}$ of the students chose blue and 20% of them chose red. An equal number of students chose green or yellow. Which of the following pie charts best represents the information?



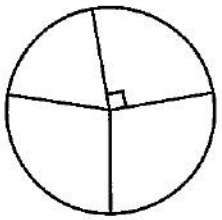
(1)



(2)



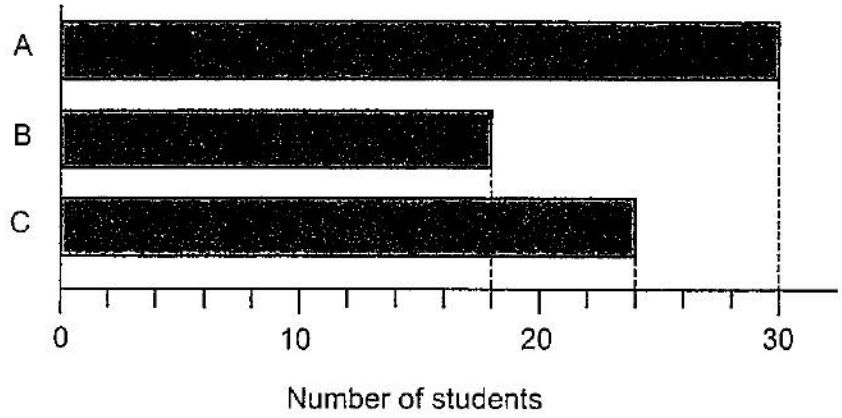
(3)



(4)

*Use the information below to answer Questions **10** and **11**.*

The bar graph shows the number of students from three classes, A, B and C, who visited the library one day.



10 In total, how many students from classes A and C visited the library that day?

(1) 42

(2) 48

(3) 52

(4) 54

11 Each class has the same number of students. All the students in class A visited the library on that day. What percentage of class B visited the library?

(1) 25%

(2) 60%

(3) 75%

(4) 80%

(Go on to the next page)

12 Arrange these volumes from the smallest to the largest.

2.2 ℓ	2 ℓ 50 ml	$2\frac{1}{10}$ ℓ

	Smallest		Largest
(1)	$2\frac{1}{10}$ ℓ	2.2 ℓ	2 ℓ 50 ml
(2)	2 ℓ 50 ml	$2\frac{1}{10}$ ℓ	2.2 ℓ
(3)	2 ℓ 50 ml	2.2 ℓ	$2\frac{1}{10}$ ℓ
(4)	2.2 ℓ	$2\frac{1}{10}$ ℓ	2 ℓ 50 ml

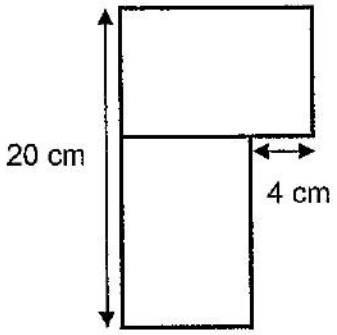
13 The figure is made up of two identical rectangles.
Find the area of each rectangle.

(1) 45 cm^2

(2) 50 cm^2

(3) 80 cm^2

(4) 96 cm^2



14 P, Q and R are three containers with the same capacity. At first, P was completely filled with water, and Q and R were each $\frac{1}{5}$ filled. Jiayi poured out some water from P to Q and R. Then all the containers had the same amount of water.
What fraction of the water did Jiayi pour out from P?

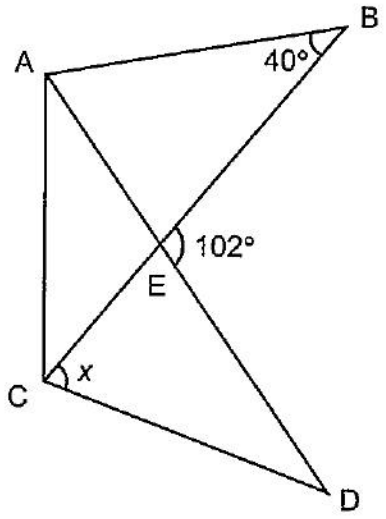
(1) $\frac{2}{5}$

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

(3) $\frac{4}{15}$

(4) $\frac{8}{15}$

15 AED and CEB are straight lines. AB = AC = CD.



Find $\angle x$.

(1) 78°

(2) 70°

(3) 64°

(4) 62°

(Go on to Booklet B)

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MINISTRY OF EDUCATION, SINGAPORE
PRIMARY SCHOOL LEAVING EXAMINATION

0008/1 (B) **PSLE**
2024

MATHEMATICS
PAPER 1
(BOOKLET B)

Total Time for Booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

1. Please check that your name, school and index number are printed **CORRECTLY** on the barcode label before pasting it within the box provided.
2. Do not turn over this page 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 calculators is **NOT** allowed.
7. Do not use correction fluid/tape.
8. Do not use highlighters on any part of your answers.
9. If you use an Additional Booklet to write your answers, paste another of your barcode labels on the cover page of the Additional Booklet. At the end of the examination, you must:
   a. Insert the Additional Booklet(s) between the pages of the **main** Answer Booklet
   b. Write the number of Additional Booklet(s) that you have used in this box ☐

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

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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)

16 Round 11.345 to the nearest hundredth.

Ans: _____

17 Find the value of $\frac{1}{2} + \frac{7}{8}$. Express your answer as a mixed number.

Ans: _____

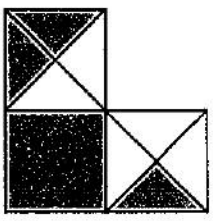
18 Find the value of 120×25

Ans: _____

19 Find the first common multiple of 6 and 9.

Ans: _____

20 The figure below is made up of 3 identical squares. Two of the squares are each divided into 4 equal parts. What fraction of the figure is shaded?



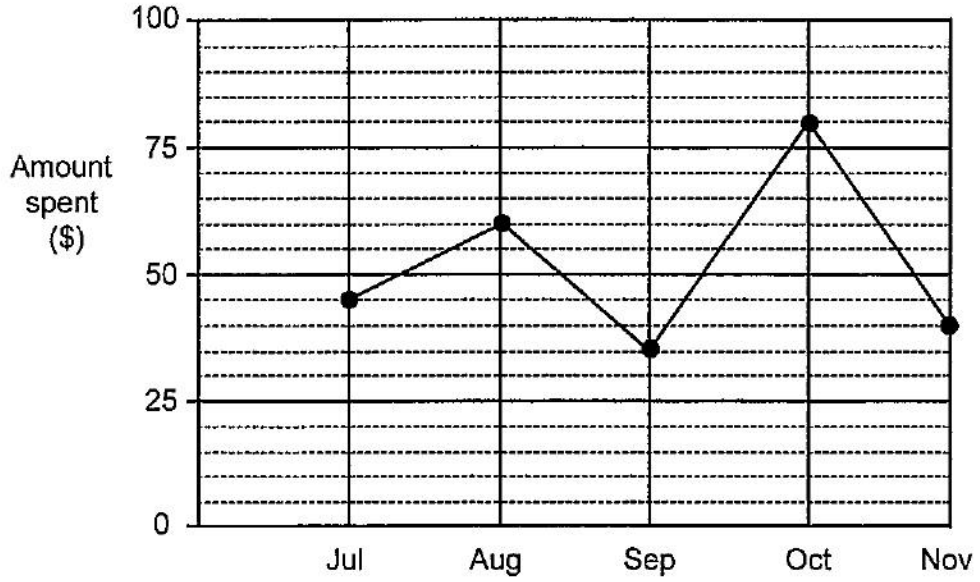
Ans: _____

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

(20 marks)

*Use the information below to answer questions **21** and **22**.*

Gopal received $85 of pocket money each month. He spent some of it and saved the rest. The line graph shows the amount of pocket money he spent each month from July to November.



21 How much less did Gopal spend in July than in August?

Ans: $ _____

22 **(a)** In which month did Gopal spend the most?

Ans: (a) _____

(b) Write down all the months in which Gopal spent less than he saved.

Ans: (b) _____

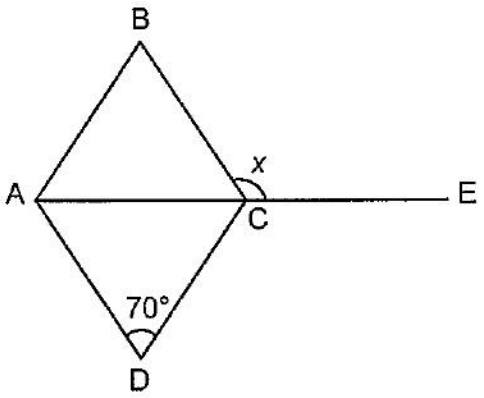
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23 Find the value of $3 \div 8$. Round your answer to 1 decimal place.

Ans: _____

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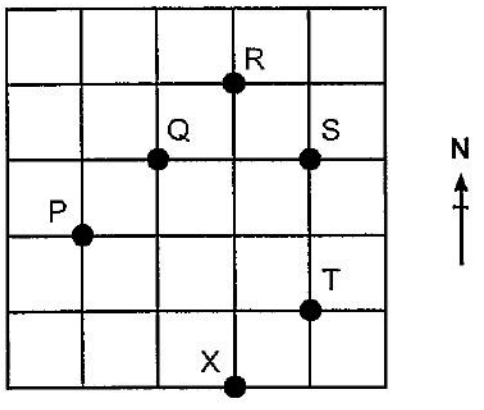
24 ABCD is a rhombus. ACE is a straight line. Find $\angle x$.



Ans: _____ °

---

25 The square grid shows the positions of points P, Q, R, S, T and X.



Jenny walked directly from point Q in a straight line to a point that is north-east of X.
Write down the point and the direction she walked towards.

Ans: Point: _____; Direction: _____

---

26 The table shows the costs of washing laundry in shops A and B.

Shop	Cost	
A	\$7 per kg	
B	First 3 kg	\$24
	Every additional kg	\$4

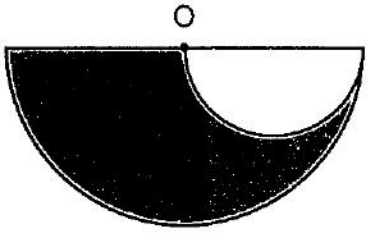
Does it cost more to wash 8 kg of laundry in shop A or shop B?
How much more?

Ans: Shop _____

\$ _____

---

27 The figure shows two semicircles. The large semicircle with centre O has a diameter of 40 cm. What is the area of the shaded part?
Give your answer in terms of π.



Ans: _____ cm^2

(Go on to the next page)

28 The first 12 numbers of a number pattern are given below.

2	0	4	1	2	0	4	1	2	0	4	1 ... ...
1st											12th

The sum of all the numbers in the pattern is 230. How many numbers are there in the pattern?

Ans: _____

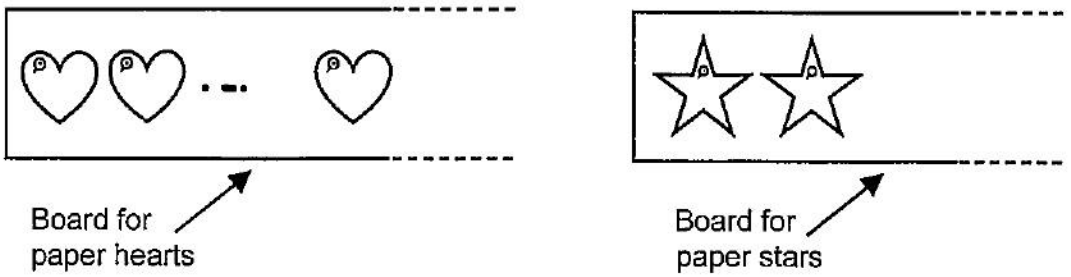
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29 At first, there were 16 more students in Team P than in Team Q.
28 students from Team P then joined Team Q.
After that, there were 5 times as many students in Team Q as in Team P.
How many students were there in Team Q at first?

Ans: _____

---

30 At first, a teacher pinned 22 paper hearts and 2 paper stars on two different boards in a classroom.



Then each student pinned either 5 paper hearts or 8 paper stars on the boards. In the end, the number of paper hearts was equal to the number of paper stars on the boards. Find the smallest possible number of students in the classroom.

Ans: _____

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MINISTRY OF EDUCATION, SINGAPORE
PRIMARY SCHOOL LEAVING EXAMINATION

0008/2

PSLE
2024

MATHEMATICS
PAPER 2

Time : 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

1. Please check that your name, school and index number are printed **CORRECTLY** on the barcode label before pasting it within the box provided.
2. Do not turn over this page 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.
9. If you use an Additional Booklet to write your answers, paste another of your barcode labels on the cover page of the Additional Booklet. At the end of the examination, you must:
   a. Insert the Additional Booklet(s) between the pages of the **main** Answer Booklet
   b. Write the number of Additional Booklet(s) that you have used in this box ☐

This booklet consists of 15 printed pages and 1 blank page.

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0008/2

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

(10 marks)

---

1 Richard took 120 min to walk 7200 m. What was his average speed in km/h?

Ans: _____ km/h

---

2 Weiming earned $\$m$ for each shirt that he sold. He earned an additional \$2 for every 5 shirts sold. Weiming sold 9 shirts.

(a) How much did Weiming earn? Give your answer in terms of m.

Ans: (a) \$ _____

(b) Weiming earned \$56. Find the value of m.

Ans: (b) _____

---

3 Raju put 3 coins in a money box every day. His mother also put in 2 coins in the box every 7 days. How many coins were there altogether after 45 days?

Ans: _____

---

4 A pole of length 3 m was divided into equal parts. When 12 parts were removed, the total length of the remaining parts was 75 cm. Find the length of each part. Round your answer to the nearest cm.

Ans: _____ cm

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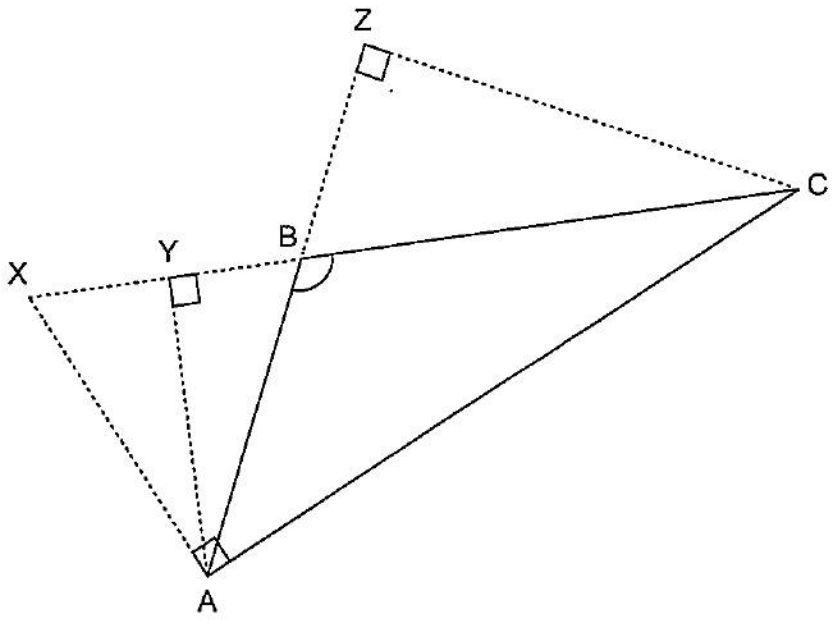
5 The sum of two numbers is 60. Each number is smaller than 40 and has exactly six factors. Their common factors are 1, 2 and 4. What are these two numbers?

Ans: _____ , _____

(Go on to the next page)

For questions **6** to **17**, show your workings 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 The figure shows triangle ABC. ABZ and XYBC are straight lines.
$\angle XAC = \angle AYC = \angle AZC = 90°$.



(a) Measure and write down the size of $\angle ABC$.

Ans: (a) _____ [1]

(b) Measure and write down the length of BC.

Ans: (b) _____ [1]

(c) By using BC as the base, find the area of triangle ABC.
Give your answer to the nearest whole number.

Ans: (c) _____ [2]

7 The table shows the prices of tickets for a tour.

Type of Tickets	Price
Adult	$24
Child	$18
Package A (1 adult and 1 child)	$36
Package B (2 adults and 1 child)	$56

(a) Meiyin bought 2 adult tickets. How much did she pay in total?

Ans: (a) _____ [1]

(b) Malek bought tickets for 4 adults and 3 children for the tour. What was the least amount that he could have paid?

Ans: (b) _____ [2]

(Go on to the next page)

8 Yan had two bags of sugar, A and B. The mass of sugar in B was $\frac{5}{7}$ of that in A. After she added 600 g of sugar to A and 1.75 kg of sugar to B, A had 200 g less sugar than B. What was the total mass of sugar in A and B at first?
Give your answer in grams.

Ans: _____ [3]

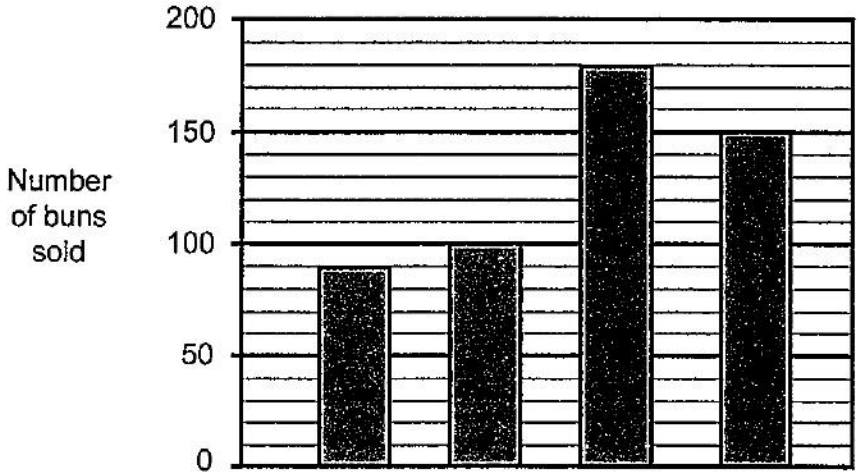
9 A shop sold four types of buns as shown.

Type	Price per bun
Butter	70¢
Cream	80¢
Kaya	90¢
Raisin	$1

The number of butter buns sold was twice the number of raisin buns sold.
The shop collected more money from the sale of butter buns than kaya buns.

(a) The bar graph shows the number of buns sold at the shop.

Label the graph by writing **B** for butter, **C** for cream, **K** for kaya and **R** for raisins in the blanks below.

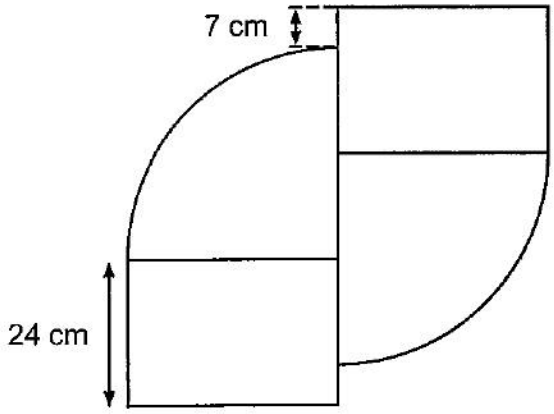


Ans: (a) ____ ____ ____ ____ [2]

(b) What fraction of all the buns sold were butter buns?
Give your answer in the simplest form.

Ans: (b) _____ [1]

10 The figure is formed using two identical quarter circles and two identical rectangles. The perimeter of each rectangle is 118 cm.



(a) Find the radius of each quarter circle.

Ans: (a) _____ [2]

(b) Find the perimeter of the figure.
(Take $\pi = \frac{22}{7}$)

Ans: (b) _____ [2]

11 At first, Tina had a total of 97 small and large magnets. She gave away 4 small magnets and bought some large magnets. The number of large magnets increased by 50%. In the end, she had a total of 114 magnets.

(a) How many large magnets did Tina have in the end?

Ans: (a) _____ [2]

(b) Did Tina have more small magnets or large magnets at first?
How many more?

Ans: (b) Fill in the blank and circle the correct word in the statement.

Tina had _____ more **(small / large)** magnets at first.

[2]

12 Alan and Barry shared a box of stickers in the ratio 3 : 2.
Alan gave 20% of his stickers to Clara who had none at first.

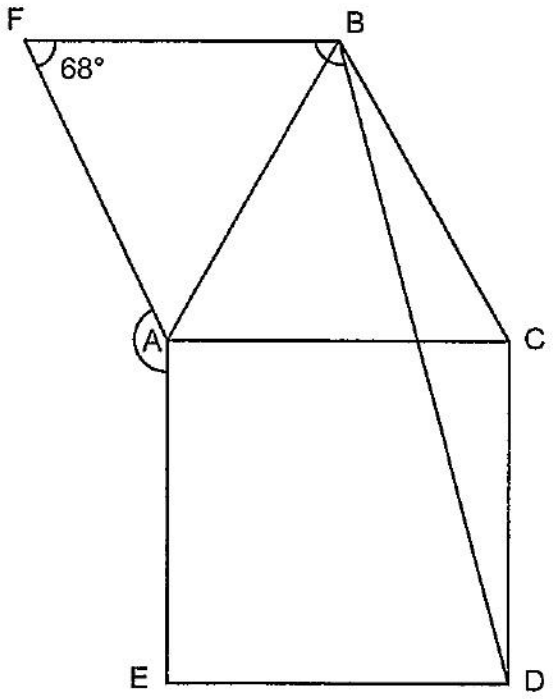
(a) Find the ratio of Alan's to Barry's to Clara's stickers after Alan had given Clara the stickers.

Ans: (a) _____ [2]

(b) Barry also gave some of his stickers to Clara. In total, 26% of the stickers in the box were given to Clara. What fraction of Barry's stickers were given to Clara?

Ans: (b) _____ [2]

13 ABC is an equilateral triangle and ACDE is a square. FB is parallel to ED.



(a) Find $\angle$FAE.

Ans: (a) _____ [2]

(b) Find $\angle$FBD.

Ans: (b) _____ [2]

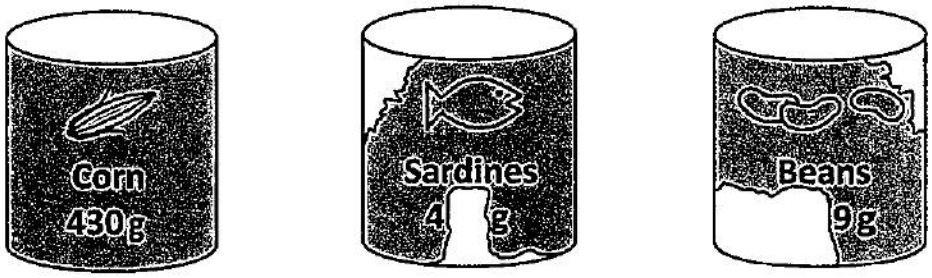
(c) Circle the words that describe AFBC correctly in the following statement.

AFBC is a **(trapezium / parallelogram)** because FB **(is / is not)** parallel to AC and FA **(is / is not)** parallel to BC.

[1]

(Go on to the next page)

14 The average mass of the three tins of canned food shown is 420 g.
The mass of each tin is a 3-digit number.
The labels on two of the tins are partly torn.



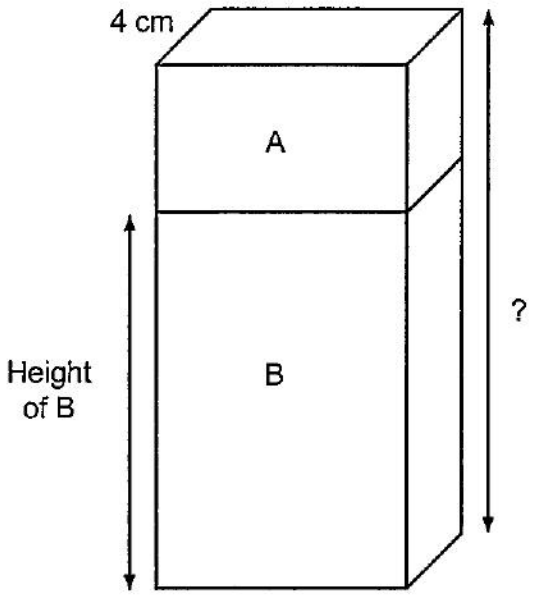
(a) Find the total mass of the tin of sardines and the tin of beans.

Ans: (a) _____ [1]

(b) Find the largest possible difference in mass between the tin of sardines and the tin of beans.

Ans: (b) _____ [3]

15 Rafiq cut a large rectangular block into two smaller rectangular blocks A and B.
The volume of A was 384 cm^3 while that of B was 1056 cm^3. The height of B was 14 cm more than that of A.



Find the height of the large rectangular block.

Ans: _____ [3]

(Go on to the next page)

16 At first, Devi, Eric and Haziq had some money.
Devi and Eric donated the same amount of money to a charity. Haziq donated 3 times as much as Eric. Devi donated $\frac{1}{4}$ of her money, Eric donated $\frac{2}{7}$ of his money and Haziq donated $\frac{2}{5}$ of his money.

(a) At first, who had the most amount of money and who had the least?

Ans: (a) Most: _____

Least: _____ [1]

(b) The 3 children had a total of $1560 at first.
How much money did Haziq donate?

Ans: (b) _____ [3]

17 A rectangular piece of paper with length 50 cm is folded along the dotted line AC where BC is $\frac{1}{4}$ of BD.

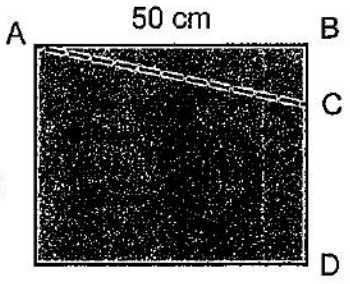


Figure 1
(Before folding)

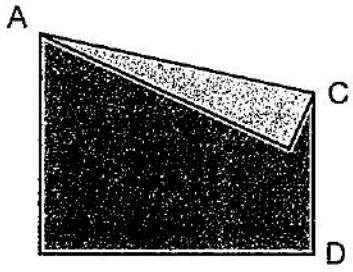


Figure 2
(After folding)

The paper is then cut into X and Y as shown in Figure 3.
The perimeter of Y is 60 cm longer than the perimeter of X.

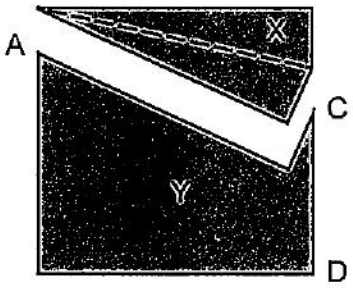


Figure 3
(After cutting)

(a) Find the length of BD in Figure 1.

Ans: (a) _____ [2]

(b) Find the area of Y.

Ans: (b) _____ [2]

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