AI TONG SCHOOL

2019
END-OF-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 31 OCTOBER 2019

INSTRUCTIONS
Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____( )

Class : Primary 4 _____

Parent's Signature	**: _____**
Date	**: _____**

Marks :

Section A	**/ 30**
Section B	**/ 40**
Section C	**/ 30**
Total	**/ 100**

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Section A

Questions **1** 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).
Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet **with a 2B pencil.**

(30 marks)

---

1 In the number **56 789**, which digit is in the tens place?

(1) 5
(2) 6
(3) 7
(4) 8

2 Which of the following numbers when rounded to the nearest ten becomes 87 600?

(1) 87 544
(2) 87 596
(3) 87 606
(4) 87 654

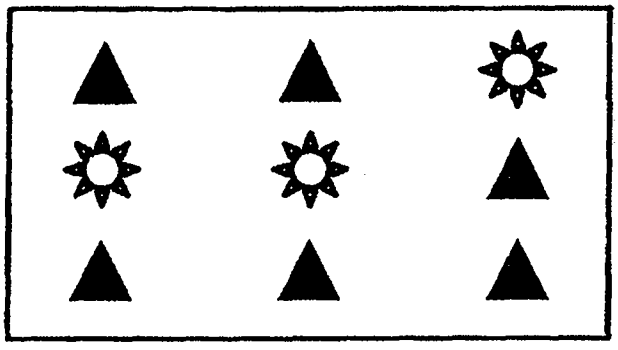
3 The sum of 73 tens and _____ is 1000.

(1) 270
(2) 927
(3) 1073
(4) 1730

4 A number is between 20 and 40. It is a multiple of 3.
When it is divided by 7, there is a remainder of 1. What is the number?

(1) 22
(2) 24
(3) 36
(4) 39

5 What fraction of the shapes in the box are  ?



(1) $\frac{3}{9}$
(2) $\frac{3}{6}$
(3) $\frac{6}{9}$
(4) $\frac{6}{3}$

6 $7\frac{5}{6} = \frac{\square}{6}$

What is the missing number in the box?

(1) 35
(2) 37
(3) 42
(4) 47

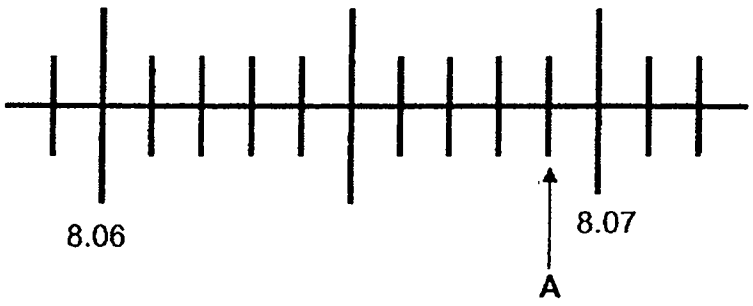
7 Express 0.08 as a fraction in its simplest form.

(1) $\frac{1}{8}$
(2) $\frac{2}{25}$
(3) $\frac{1}{10}$
(4) $\frac{4}{5}$

8 Which of the following names consists of only three symmetric letters?

(1) **A L E N**
(2) **C L E O**
(3) **S E A N**
(4) **X A V Y**

9 Which of the following decimals is represented by letter A in the number line?



(1) 8.067
(2) 8.069
(3) 8.071
(4) 8.079

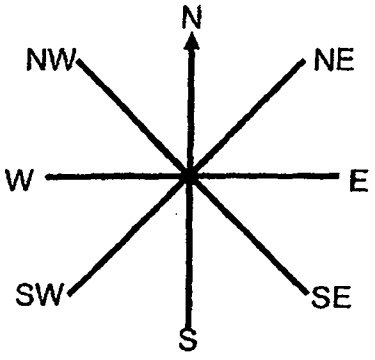
10 Ravi spent $24.10 on a pair of shorts. He spent $3.95 less on a T-shirt than the pair of shorts. How much did he spend in all?

(1) $20.15
(2) $28.05
(3) $44.25
(4) $52.15

11 Joshua spent 2 h 55 min working on his Science project. He completed the project at 17 10. What time did Joshua start to work on it?

(1) 2.15 p.m.
(2) 3.05 p.m.
(3) 7.10 p.m.
(4) 8.05 p.m.

12 The figure shows an 8-point compass. After making a 225° turn in the anti-clockwise direction, Ali is facing north-east (NE) now. Which direction was he facing at first?



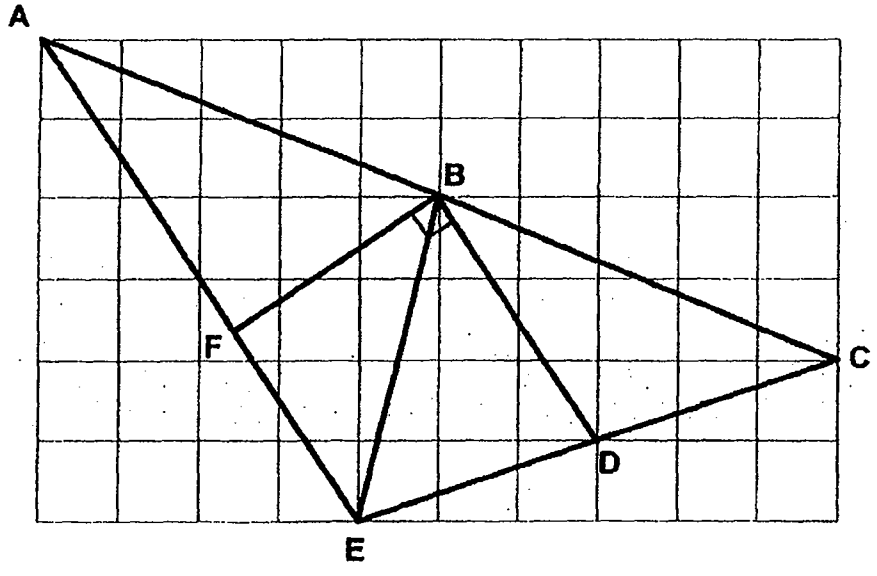
(1) North

(2) South

(3) East

(4) West

13 In the figure below, which two lines are perpendicular?



(1) AB and BE

(2) BD and DE

(3) FB and BD

(4) EB and BC

14 Baker Lee sold $\frac{5}{8}$ of his muffins and had 120 muffins left.
How many muffins did he have at first?

(1) 195
(2) 200
(3) 320
(4) 360

15 The table below shows the favourite sports of some students.
Each student is allowed to choose only one sport.

Favourite sports	Number of students
Volleyball	?
Swimming	17
Soccer	11

$\frac{1}{2}$ of the students like volleyball.
How many students are there?

(1) 22
(2) 28
(3) 34
(4) 56

Section B

Questions **16** to **35** carry 2 marks each. Write your answers in the spaces provided. For questions that require units, give your answers in the units stated. **(40 marks)**

---

16 Write twenty thousand and sixty-three in figures.

Ans: _____

---

17 Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____ and _____

---

18 5808 ÷ 8 = _____

Ans: _____

---

19 9.8 – 0.93 = _____

Ans: _____

---

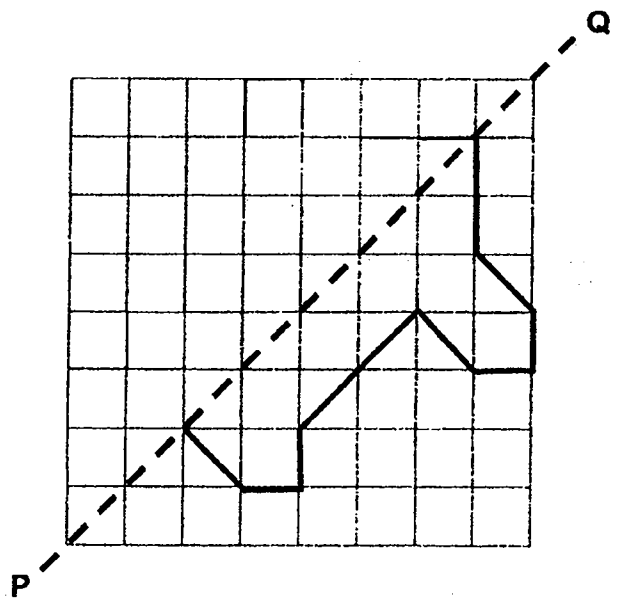
20 Arrange the following numbers from the smallest to the greatest.

$\frac{2}{5}$, 0.405 , 0.045

Ans: _____ (*smallest*), _____, _____ (*greatest*)

---

21 Complete the symmetric figure using Line PQ as the line of symmetry.



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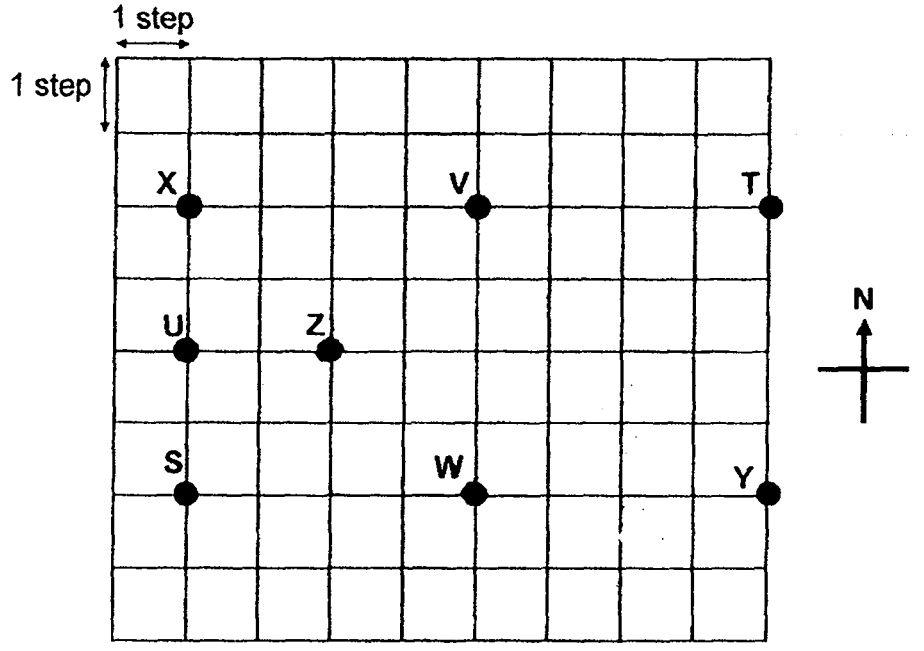
22 There were 7 stalls: S, T, U, V, W, X and Y at a carnival.
Matthew was at position Z. He walked South-east until he reached the first stall.
Next, he walked 4 steps to the west and then 4 steps to the north.

(a) Which was the first stall that he went?

(b) At which stall would he be in the end?



Ans: (a) _____

(b) _____

---

23 Find the value of $1 - \frac{1}{9} - \frac{1}{3}$.

Ans: _____

---

24 Arrange the following fractions from the greatest to the smallest

$$\frac{1}{2} \ , \ \frac{5}{6} \ , \ \frac{7}{12}$$

Ans: _____ (*greatest*), _____, _____ (*smallest*)

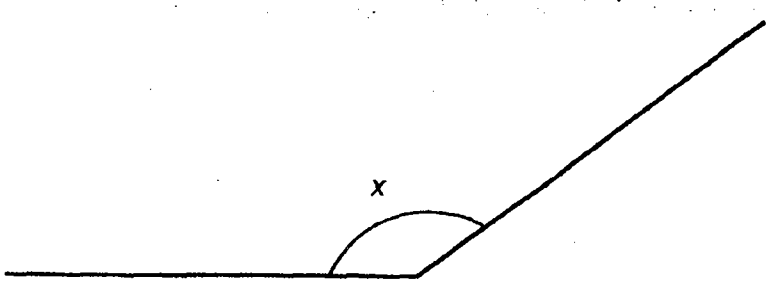
---

25 Find the value of 7.38×6.

Ans: _____

---

26 Measure and write down the size of $\angle x$.



Ans: _____ °

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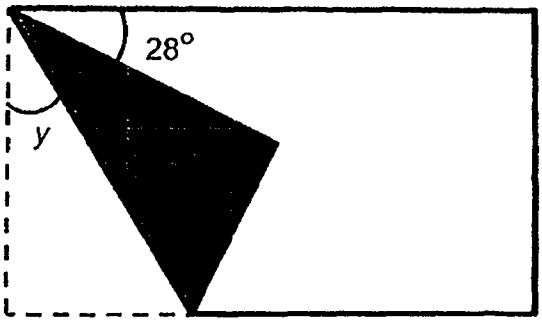
27 A rectangular piece of paper is folded at one of its corners as shown. Find ∠y.



Ans: _____ °

---

28 Mariam went for a movie on Saturday.
The movie started at 8.05 p.m. and lasted 2 h 40 min.
What time did the movie end?
Give your answer using the 24-hour clock.

Ans: _____

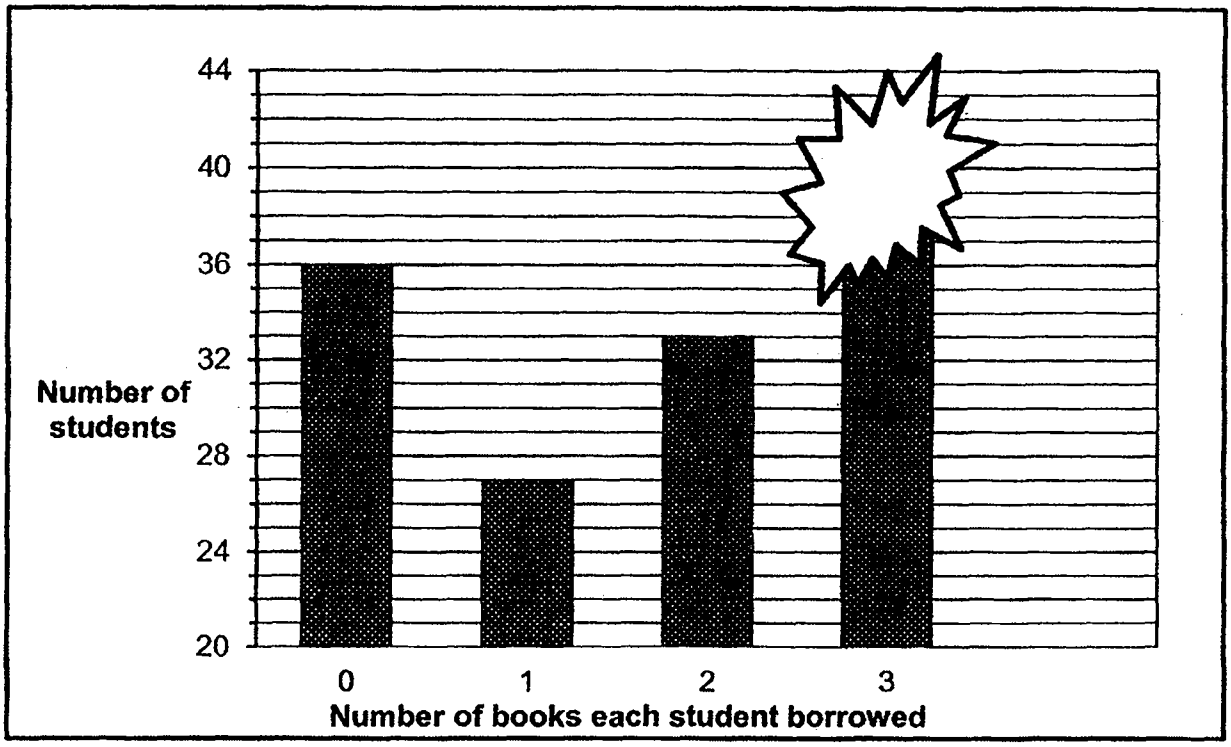
---

29 Terry started cycling from Pasir Ris Park to Punggol Park at 11 45.
He reached Punggol Park at 14 15.
How long did he take to cycle from Pasir Ris Park to Punggol Park?
Give your answer in **minutes.**

Ans: _____ min

Study the graph and answer **questions 30 and 31.**

The bar graph shows the number of students who borrowed books in Marvel School in a week.



30 What was the difference between the number of students who borrowed only 1 book and the number of students who did not borrow any book?

Ans: _____

---

31 There were 75 students who borrowed at least 2 books.
How many of these students borrowed 3 books?

Ans: _____

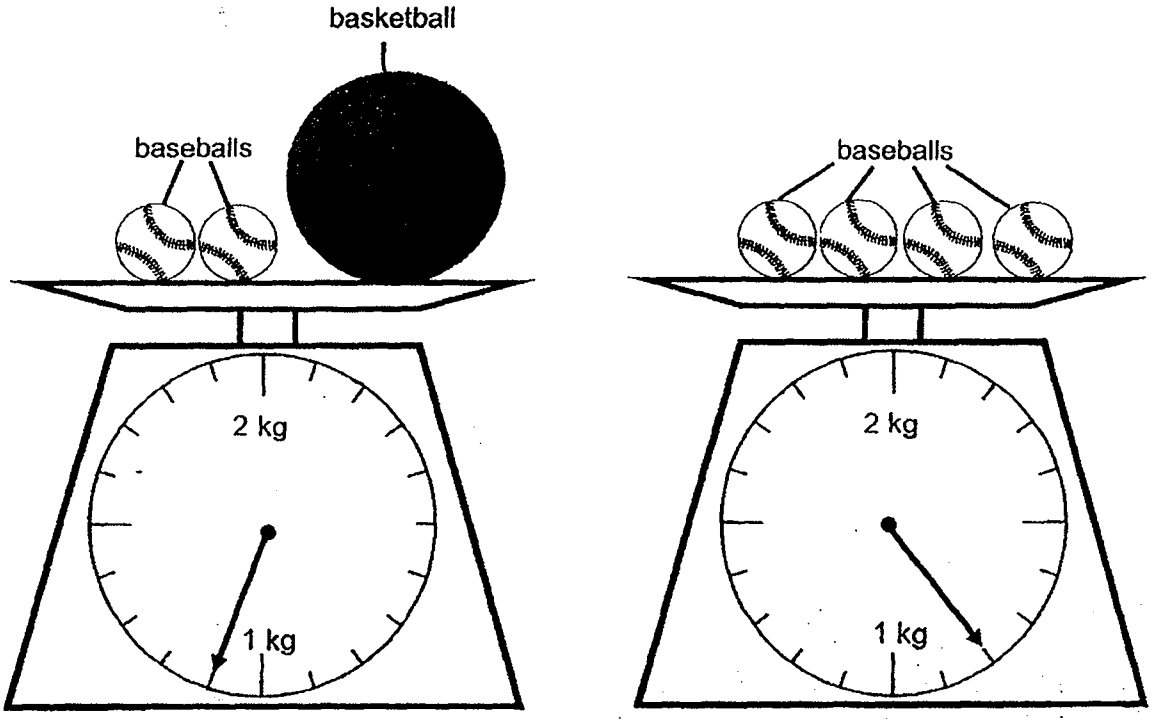
---

32 Mr Oman mixed 18.56 litres of water with 5.62 litres of maple syrup.
He then poured the mixture equally into 6 jugs.
How many litres of mixture were there in each jug?

Ans: _____ litres

---

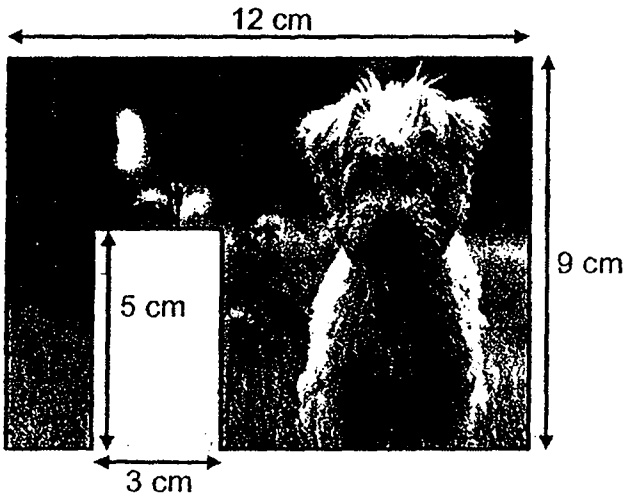
33 The figure below shows the mass of 2 different types of balls at a sports shop.
Find the mass of one basketball.



Ans: _____ g

---

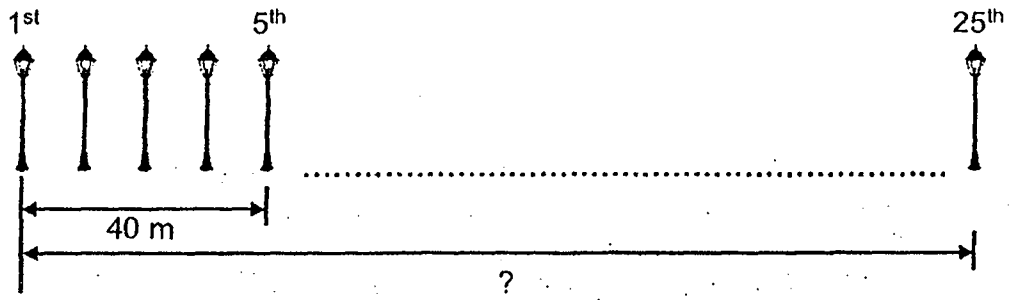
34 Lilian has a picture 12 cm by 9 cm.
She cuts out a rectangular piece 5 cm by 3 cm from the picture.
What is the area of the picture left?



Ans: _____ cm^2

---

35 25 lamp posts were placed in a straight row at an equal distance apart.
The distance between the 1st lamp post and the 5th lamp post was 40 m.
What was the distance between the first lamp post and the last lamp post?



Ans: _____ m

Section C

Questions **36** to **37** carry 3 marks each. Questions **38** to **43** carry 4 marks each. Show your working clearly in the space provided below each question and write your answers and units in the spaces provided. (30 marks)

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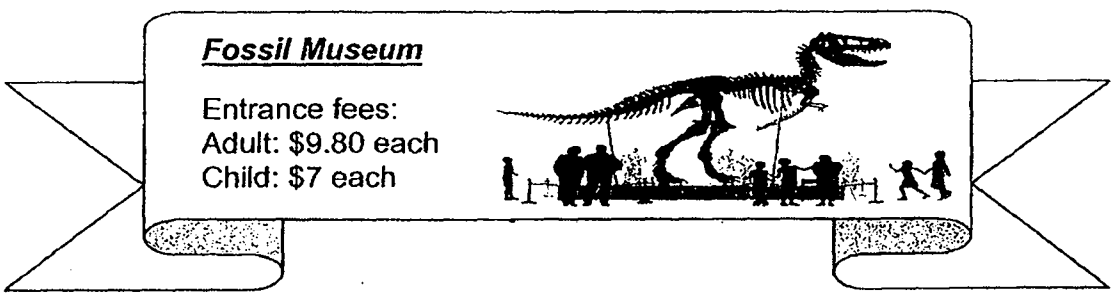
36 The total mass of two parcels is 35.96 kg
Parcel A is 2.8 kg lighter than Parcel B.
Find the mass of Parcel A.

Ans: _____ [3]

37



Mr Selvi, his wife, both of his parents and his six-year-old daughter went to the museum. How much did Mr Selvi have to pay for the tickets altogether?

Ans: _____ [3]

---

38 Mr Tan bought a rice cooker, a refrigerator and an oven for $2511 altogether.
The refrigerator cost 3 times as much as the oven.
The oven cost 2 times as much as the rice cooker.

(a) What was the cost of the rice cooker?

(b) What was the cost of the refrigerator?

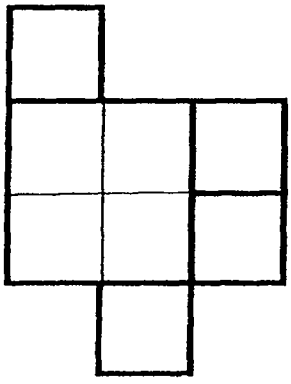
Ans: (a) _____ [2]

(b) _____ [2]

39 The figure below is made up of 1 big square and 4 identical small squares. The area of the figure is 288 cm^2.

(a) What is the area of each small square?

(b) What is the length of each side of the small square?



Ans: (a) _____ [2]

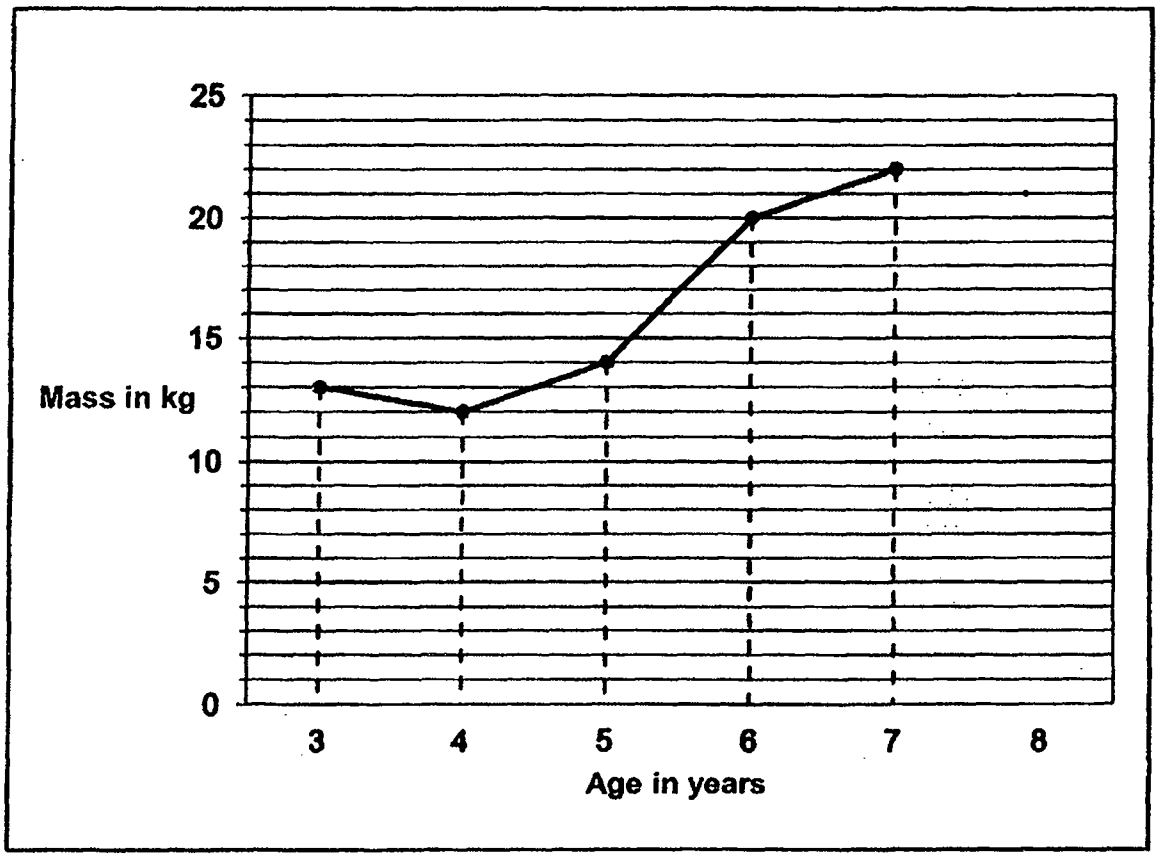
(b) _____ [2]

40 The chart shows the mass of Eric each year from 3 years old to 8 years old.

(a) (i) Between which 2 years of age did Eric gain the most mass?

(ii) How much mass did Eric gain during these 2 years?

(b) When Eric was 8 years old, he was 9 kg more than his recorded mass at 4 years old. What was his mass at 8 years old?



Ans: (a) (i) Between _____ and _____ [1]

(ii) _____ [1]

(b) _____ [2]

41 Siti used $\frac{1}{4}$ of a roll of ribbon to tie a present.

She then used $\frac{1}{6}$ of the ribbon to decorate her scrapbook and another $\frac{1}{4}$ of the ribbon to tie her hair.

(a) What fraction of the roll of ribbon had she left?
Express the fraction in its simplest form.

(b) Siti had 52 cm of the ribbon left.
What was the length of the ribbon she had at first?

Ans: (a) _____ [2]

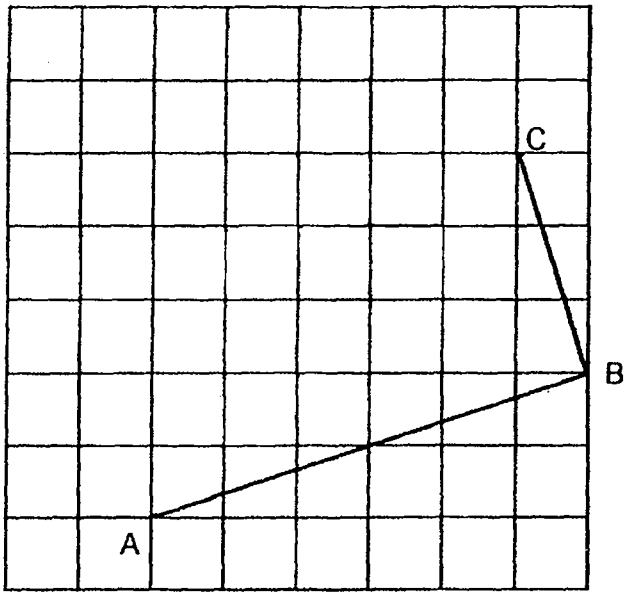
(b) _____ [2]

42 In the figure below, two sides of a rectangle ABCD have been drawn on the square grid.

(a) Complete the drawing of rectangle ABCD. Label point D.

(b) Draw a straight line from A to C.
Measure the length of AC. What is the length of AC?

(c) Measure ∠CAB. What is the size of ∠CAB?



Ans: (a) To be drawn on the diagram [2]

(b) _____ [1]

(c) _____ [1]

43 Ailing and Yamin had the same amount of money at first.
After Ailing saved another $460 and Yamin spent $72, Ailing had 3 times as much money as Yamin.

(a) How much more money had Ailing than Yamin in the end?

(b) How much money did each of them have at first?

Ans: (a) _____ [1]

(b) _____ [3]

End-of-paper
Check your work carefully

4

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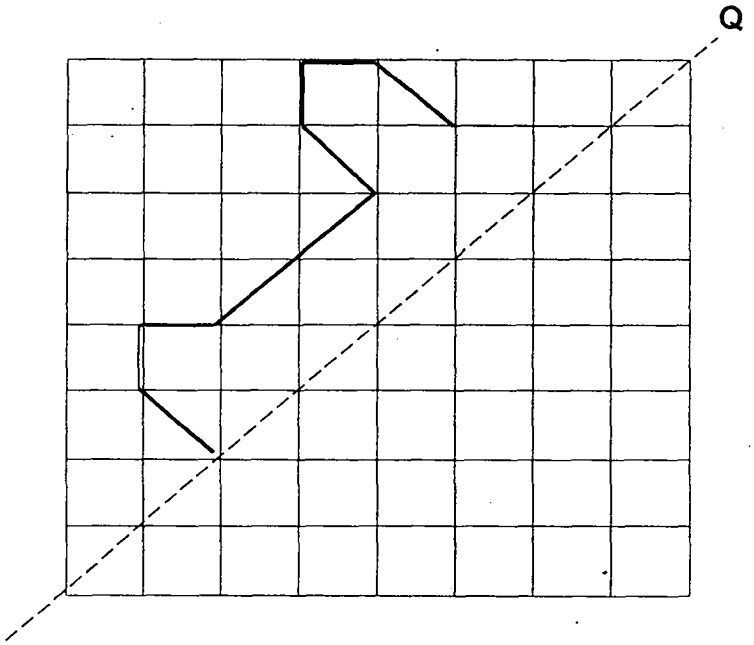
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2019 SA2

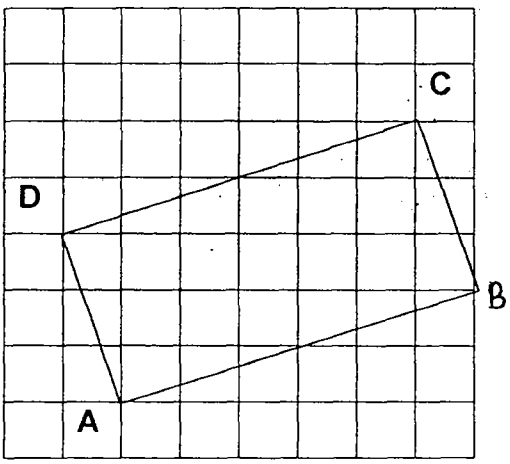
BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	1	3	1	4	2	2	2	3
Q 11	Q12	Q13	Q14	Q15					
1	4	3	3	4					

BOOKLET B

Q16)	20063
Q17)	2 and 5
Q18)	726
Q19)	8.87
Q20)	0.045 , $\frac{2}{5}$, 0.405
Q21)	

Q22)	a)W b)X
Q23)	$\frac{8}{9}-\frac{1}{3}=\frac{8}{9}-\frac{3}{9}=\frac{5}{9}$
Q24)	$\frac{5}{6}, \frac{7}{12}, \frac{1}{2}$
Q25)	44.28
Q26)	144°
Q27)	31°
Q28)	2245
Q29)	2h30min = 120min + 30min = 150min
Q30)	36 – 27 = 9
Q31)	75 – 33 = 42
Q32)	4.03
Q33)	700g
Q34)	93cm²
Q35)	40 ÷ 4 = 10 25 – 1 = 24 24 x 10 = 240m
Q36)	35.96 – 2.8 = 33.16 33.16 ÷ 2 = 16.58

Q37)	9.80 x 4 = 39.20 39.20 + 7 = $46.20
Q38)	a)2511 ÷ 9 = $279 b)279 x 6 = $1674
Q39)	a)288 ÷ 8 = 36cm² b)36 = 6 x 6cm
Q40)	a)i)5 years old and 6 years old ii)20 – 14 = 6kg b)12 + 9 = 21 kg
Q41)	a) $\frac{3}{12} + \frac{2}{12} + \frac{3}{12} = \frac{8}{12}$ $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$ $\frac{4}{12} = \frac{1}{3}$ b)52 X 3 = 156cm
Q42)	a) 
Q42)	b)7.2cm c)26°

Q43)	a)460 + 72 = $532 b)532 ÷ 2 = 266 266 + 72 = $338