AI TONG SCHOOL

2024

END-OF-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 24 OCTOBER 2024

INSTRUCTIONS

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
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 44 thousands and 3 tens is the same as _____.

(1) 443
(2) 4430
(3) 44 003
(4) 44 030

2 12 658 rounded to the nearest hundred is _____.

(1) 13 000
(2) 12 700
(3) 12 660
(4) 12 600

3 $7\frac{5}{8} = \frac{\square}{8}$

What is the missing number in the box?

(1) 35
(2) 51
(3) 56
(4) 61

4 Express $\frac{74}{100}$ as a decimal.

(1) 0.704
(2) 0.074
(3) 0.74
(4) 7.04

5 Which number is 2.1 less than 9.37?

(1) 7.27
(2) 9.16
(3) 9.58
(4) 11.47

6 Which of the following is a factor of both 12 and 28?

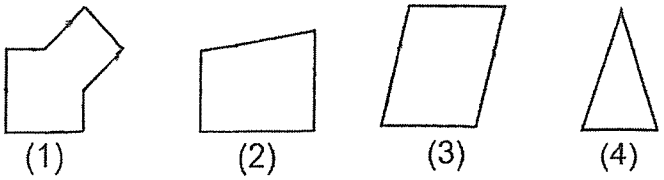
(1) 8
(2) 7
(3) 6
(4) 4

7 Arrange the following decimals from the smallest to the greatest.

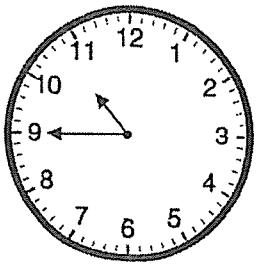
3.504 0.354 35.4 35.04

	(*smallest*)			(*greatest*)
(1)	0.354 ,	3.504 ,	35.04 ,	35.4
(2)	0.354 ,	3.504 ,	35.4 ,	35.04
(3)	35.04 ,	35.4 ,	3.504 ,	0.354
(4)	35.4 ,	35.04 ,	3.504 ,	0.354

8 Which of the following figures has more than 2 pairs of parallel lines?



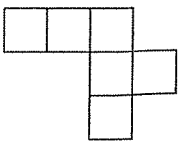
9 What is 20 minutes before the time shown on the clock?

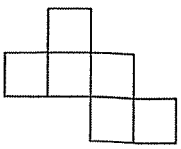


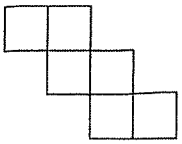
(1) 9.15 a.m.
(2) 9.30 a.m.
(3) 10.25 a.m.
(4) 11.05 a.m.

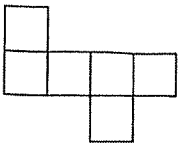
10 The figure below shows a cube.

Which of the following is **not** a net of a cube?

(1) 

(2) 

(3) 

(4) 

11 Kelly is 7 years old. Her mother is 6 times as old as she is.
How old will Kelly be when her mother is 58 years old?

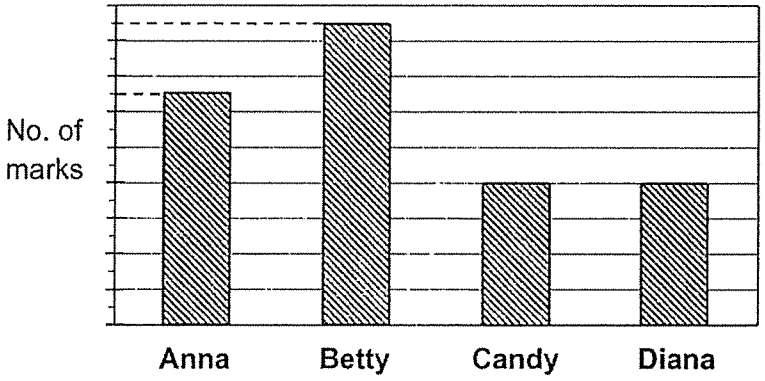
(1) 16 years old

(2) 23 years old

(3) 35 years old

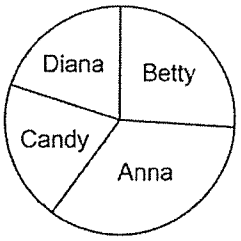
(4) 42 years old

12 The graph below shows the marks scored by 4 girls in a test.

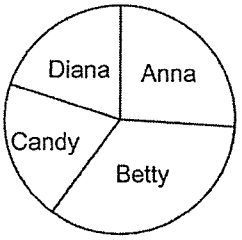


Which of the following pie charts best represents the data in the bar graph above?

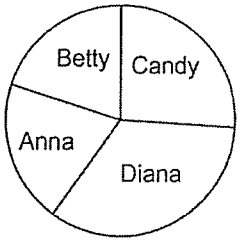
(1)



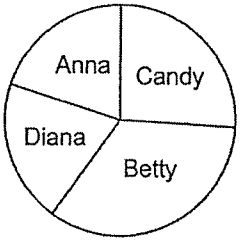
(2)



(3)



(4)



13 Nick bought 7 bars of chocolate. Each bar of chocolate cost $2.40.
He paid for the chocolate with a $50 note.
How much change did Nick get?

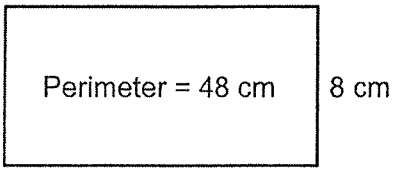
(1) $16.80

(2) $33.20

(3) $34.80

(4) $40.60

14 The perimeter of the following rectangle is 48 cm. Its breadth is 8 cm.
What is the area of the rectangle?



(1) 16 cm^2

(2) 64 cm^2

(3) 128 cm^2

(4) 320 cm^2

15 Mrs Wong had some cupcakes. She gave $\frac{1}{4}$ of the cupcakes to her sister and $\frac{5}{12}$ of them to her neighbours. She gave away 72 cupcakes altogether.
How many cupcakes did Mrs Wong have at first?

(1) 36

(2) 48

(3) 108

(4) 216

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)

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16 What is the value of the digit 7 in 74 965?

Ans: _____

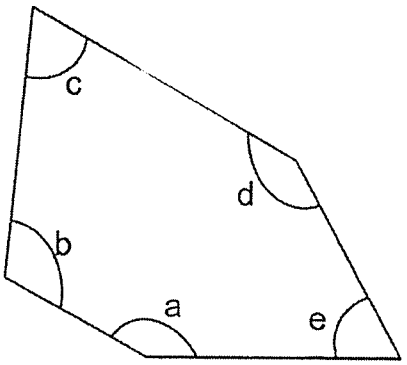
---

17 Find the product of 1370 and 9.

Ans: _____

---

18 In the figure below, name the two angles that are smaller than 90°.



Ans: ∠ _____ and ∠ _____

6

19 Write the missing number in the number pattern below.

2649, 2799, 2949, ____?____, 3249

Ans: _____

---

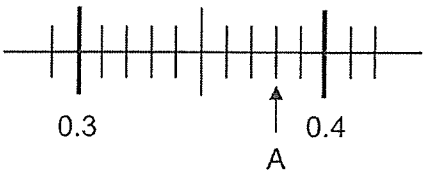
20 Which two of the fractions below are equivalent to $\frac{4}{6}$?

$\frac{8}{12}$, $\frac{2}{4}$, $\frac{6}{8}$, $\frac{2}{3}$

Ans: _____ and _____

---

21 Write the decimal represented by A.



Ans: _____

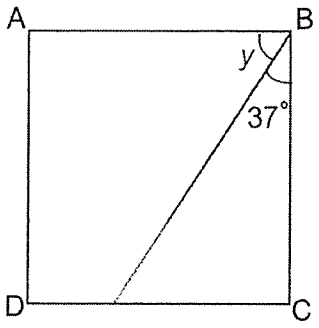
---

22 Write 4 hundredths as a decimal.

Ans: _____

---

23 In the figure shown, ABCD is a square. Find $\angle y$.



Ans: _____ °

---

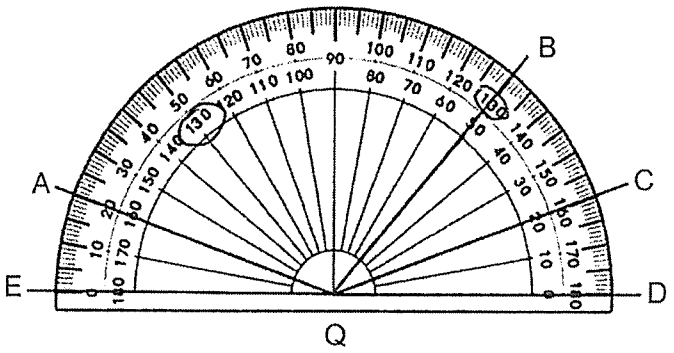
24 Arrange the following fractions from the greatest to the smallest.

$\frac{3}{4}$ $\frac{1}{2}$ $\frac{5}{8}$

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

---

25 Name the angle that measures 130°.



Ans: $\angle$_____

---

26 Figure X and Y are 2 different geometric figures.

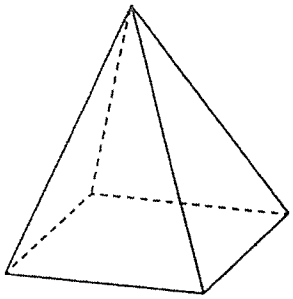


Figure X

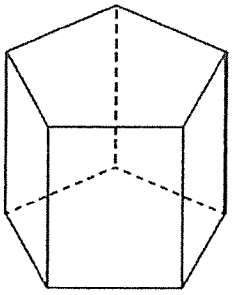


Figure Y

Write the letter representing the figure in the table below.

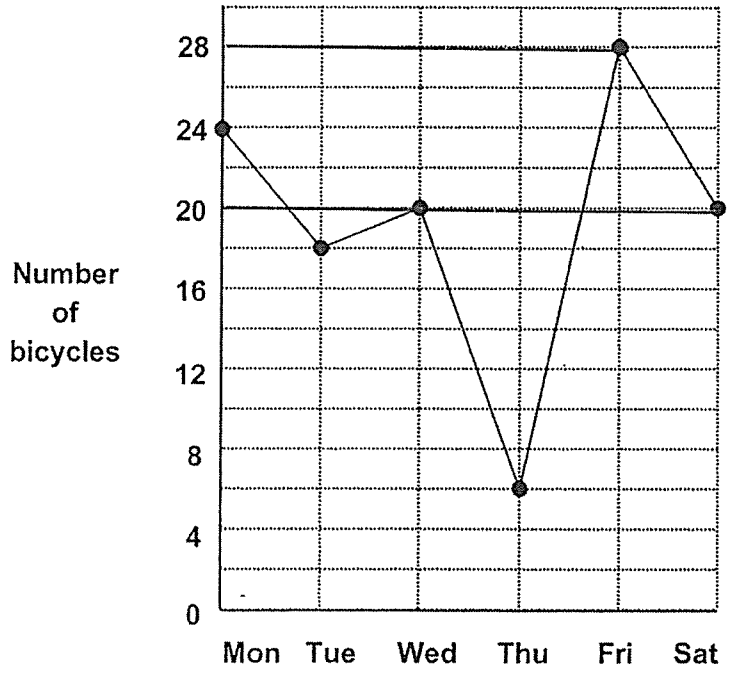
Geometric Figure	**Figure**
Prism	Ans: a)_____
Pyramid	Ans: b)_____

---

27 Hazli bought a box of pencils that cost $4.70. He paid using 7 fifty-cent coins and some twenty-cent coins. How many twenty-cent coins did he use?

Ans: _____

The line graph shows the number of bicycles sold by a shop from Monday to Saturday. Study the graph carefully and answer questions **28** and **29**.



28 What was the decrease in the number of bicycles sold from Friday to Saturday?

Ans: _____

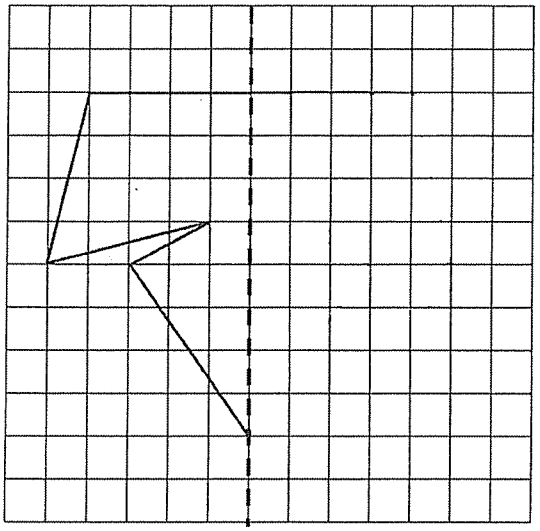
---

29 On which day was the number of bicycles sold four times as many as that sold on Thursday?

Ans: _____

---

30 Complete the symmetric figure with the dotted line as the line of symmetry.



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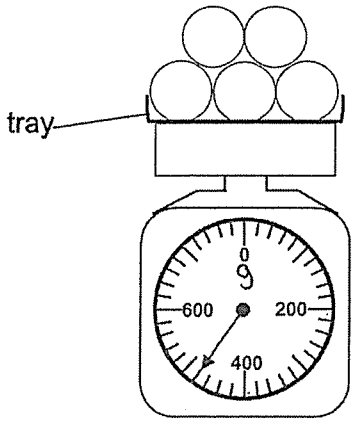
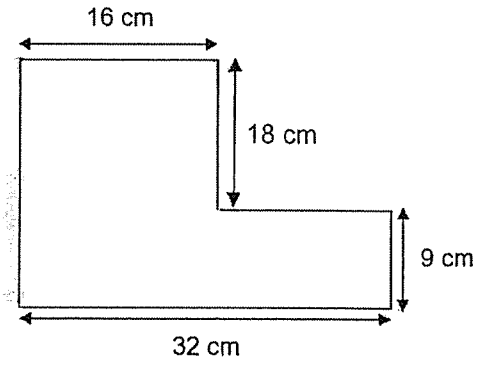
31 The weighing scale shows the mass of a tray with 5 identical balls.
The mass of the tray is 200 g. What is the mass of each ball?



Ans: _____ g

4

32 In the figure below, all lines meet at right angles.
Find the perimeter of the figure.



Ans: _____cm

---

33 A group of children took part in a race. $\frac{3}{8}$ of the participants were girls.
There were 120 boys. How many girls were there?

Ans: _____

---

34 Thaddeus uses the letters in his name to form the pattern below.

T H A D D E U S T H A D D E U S T . . . ?
1st 65th

What is the 65th letter in the pattern?

Ans: _____

---

35 Bob jogged a total of 7.3 km from Monday to Friday.
He jogged a total of 4.2 km on the first 3 days. He jogged the same distance on each of the remaining 2 days.
What distance did Bob jog on Friday?

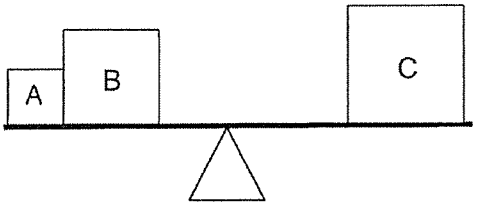
Ans: _____ km

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)

---

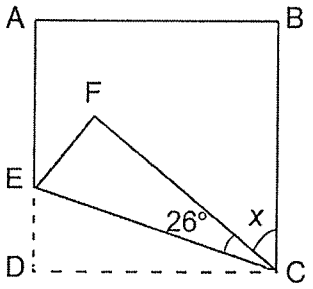
36 Box A, B and C are placed on a weighing balance.
Box A has a mass of 44.5 kg.
Box B is 31.6 kg heavier than Box A.
What is the mass of Box C?



Ans: _____ [3]

---

37 A square piece of paper ABCD is folded at a corner as shown below. $\angle ECF = 26°$. Find $\angle x$.



Ans: _____ [3]

38 Jerry had 5 kg of rice.
He used $\frac{3}{4}$ kg of it to prepare fried rice and another $\frac{1}{6}$ kg of it to prepare chicken rice.

(a) How much rice did Jerry use altogether?

Ans: (a) _____ [2]

(b) How much rice did Jerry have left?
Give your answer as a mixed number in its simplest form.

Ans: (b) _____ _____ [2]

39 Devi and Hassan went shopping with the same amount of money.
After Devi spent $180 and Hassan spent $78, Hassan had three times the amount of money left as Devi.

(a) How much more money did Devi spend than Hassan?

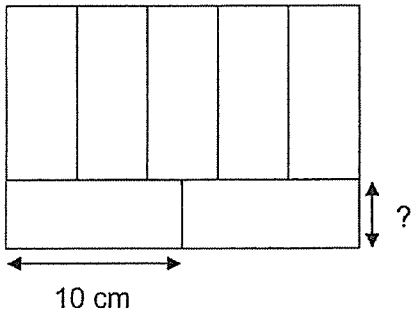
Ans: (a) _____ [1]

(b) How much money did Devi go shopping with?

Ans: (b) _____ [3]

40 The figure below is made up of 7 identical rectangles.

The length of each rectangle is 10 cm.



(a) Find the breadth of each rectangle.

Ans: (a) _____ [2]

(b) Find the area of the figure.

Ans: (b) _____ [2]

41 Vincent mixed 6.4 ℓ of blue paint with 7 ℓ of white paint. After he poured some of the paint into 1 large and 1 small empty tin, there was 2.15 ℓ of paint left. The volume of a large tin was five times as much as a small tin.

(a) How much paint did he mix altogether?

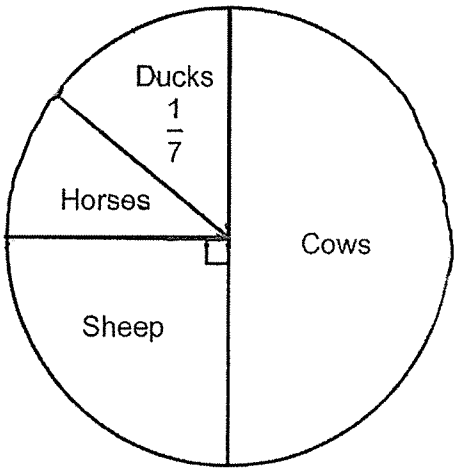
Ans: (a) _____ [1]

(b) How much paint was there in the small tin?
Give your answer correct to 1 decimal place.

Ans: (b) _____ [3]

42 The pie chart shows the number of animals at a farm.
There were 168 animals altogether. Half of the animals at the farm were cows.

Animals at a farm



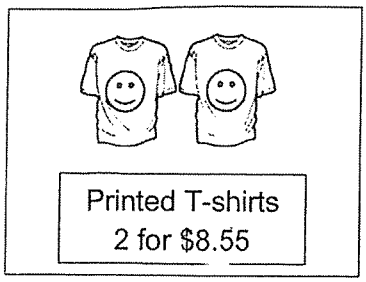
(a) How many sheep were there in the farm?

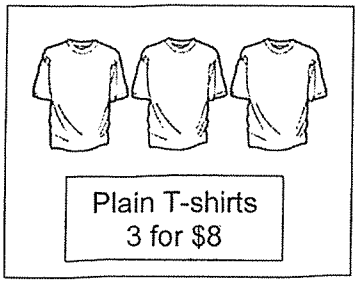
Ans: (a) _____ [2]

(b) What fraction of the animals in the farm were horses?
Express your answer in the simplest form.

Ans: (b) _____ [2]

43 A shop sells T-shirts as shown below. Plain T-shirts are sold in packs of 3 and printed T-shirts are sold in packs of 2.





(a) John had some money. He bought 6 printed T-shirts and had no money left. How much money did he have at first?

Ans: (a) _____ [2]

(b) Mei had the same amount of money as John at first. What was the most number of plain T-shirts she could buy?

Ans: (b)_____ [2]

End-of-paper
Check your work carefully

4

SCHOOL : AI TONG SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA2

SECTION A

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

SECTION B

Q16	70000
Q17	12330
Q18	C and e
Q19	3099
Q20	$\frac{2}{3}$ and $\frac{8}{12}$
Q21	0.38
Q22	0.04
Q23	53
Q24	$\frac{3}{4}, \frac{5}{8}, \frac{1}{2}$
Q25	EQB
Q26	(a) Y (b) X
Q27	6

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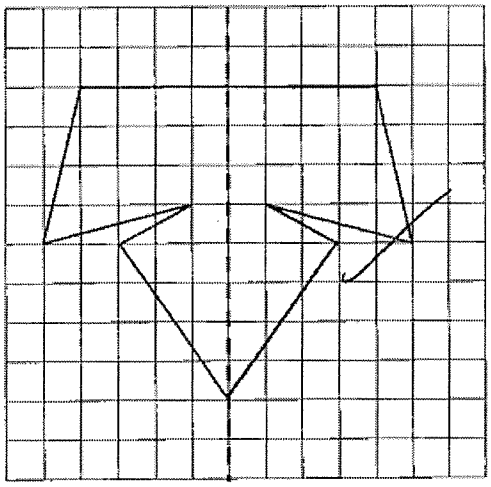
Q28	**28 - 20 = 8**
Q29	**6 x 4 = 24** **Monday**
Q30	
Q31	**480 - 200 = 280** **280 ÷ 5 = 56**
Q32	**18 + 9 = 27** **32 - 16 = 16** **32 + 16 + 16 + 9 + 18 + 27 = 118**
Q33	**5u = 120** **1u = 120 ÷ 5 = 24** **3u = 24 x 3 = 72**
Q34	**T**
Q35	**7.3 - 4.2 = 3.1** **3.1 ÷ 2 = 1.55**

SECTION C

Q36	**44.5 + 31.6 = 76.1** **76.1 + 44.5 = 120.6kg**
Q37	**∠ECF = ∠ECD** **∠ECF + ∠ECD = 26 x 2 = 52** **∠x = 90 - 52 = 38**

Q38	(a) $\frac{1}{6} + \frac{3}{4} = \frac{11}{12}$kg (b) $4\frac{12}{12}$ kg - $\frac{11}{12}$ kg = $4\frac{1}{12}$kg
Q39	(a) 180 - 78 = 102 (b) 2u = 102 1u = 102 ÷ 22 = 51 51 + 180 = 231
Q40	(a) 5u = 10cm 10 ÷ 5 = 2 2 x 2 = 4 (b) 14 x 20 = 280
Q41	(a) 6.4 + 7 = 13.4L (b) 13.4 - 2.15 = 11.25 11.25 ÷ 6 = 1.875 1.9L
Q42	(a) 168 ÷ 4 = 42 (b) $\frac{1}{4} - \frac{1}{7} = \frac{3}{28}$
Q43	(a) 6 ÷ 2 = 3 8.55 x 3 = $25.65 (b) 8 x 3 = 24 3x3 = 9

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