



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

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

$$7\frac{5}{8} = \frac{\boxed{}}{8}$$

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

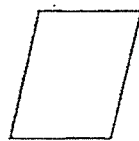
- 8 Which of the following figures has more than 2 pairs of parallel lines?



(1)



(2)



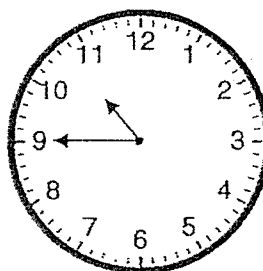
(3)



(4)

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

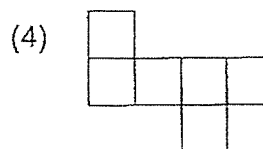
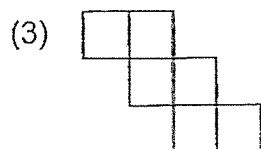
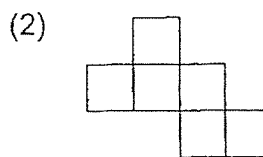
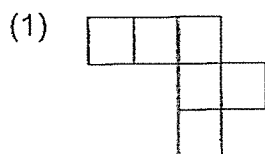
- (1) 9.15 a.m.
- (2) 9.30 a.m.
- (3) 10.25 a.m.
- (4) 11.05 a.m.



- 10 The figure below shows a cube.



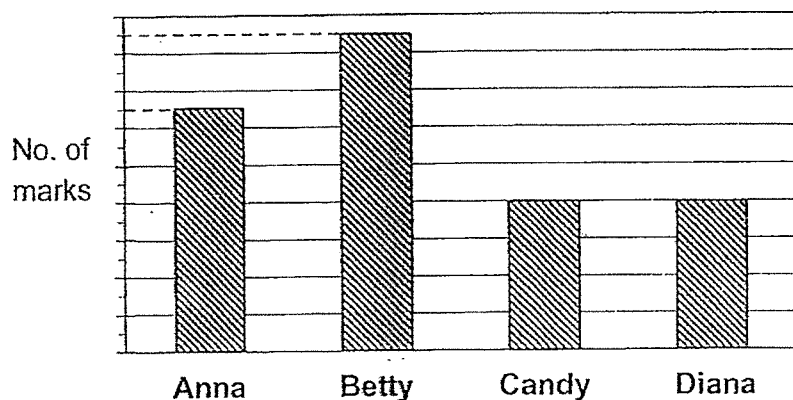
Which of the following is **not** a net of a cube?



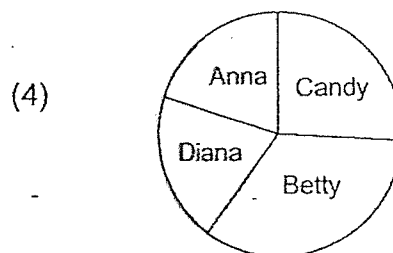
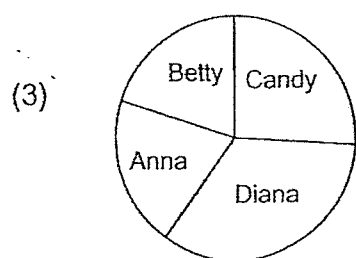
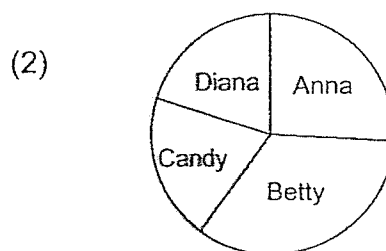
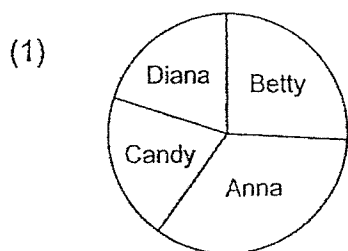
- 11 Kelly is 7 years old. Her mother is 6 times as old as she is. How old will Kelly be when her mother is 58 years old?

- (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.



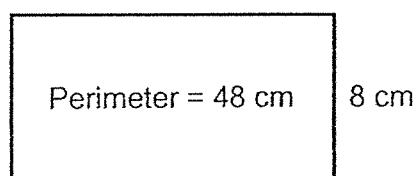
Which of the following pie charts best represents the data in the bar graph above?



- 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)

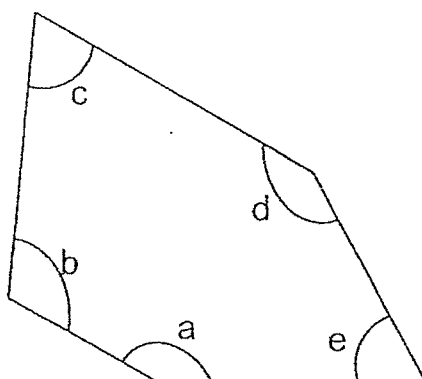
- 16 What is the value of the digit 7 in 74 965?

Ans: _____

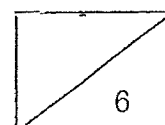
- 17 Find the product of 1370 and 9.

Ans: _____

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



Ans: \angle _____ and \angle _____



- 19 Write the missing number in the number pattern below.

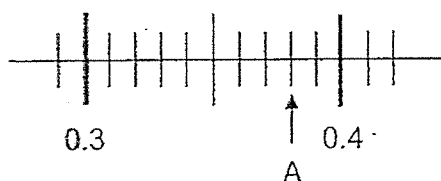
2649, 2799, 2949, _____, 3249

Ans: _____

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

Ans: _____ and _____

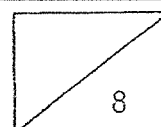
- 21 Write the decimal represented by A.



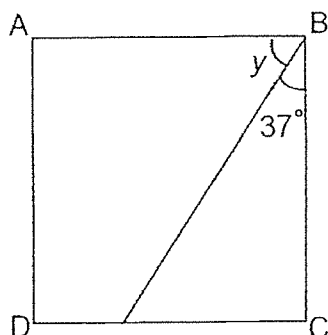
Ans: _____

- 22 Write 4 hundredths as a decimal.

Ans: _____



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



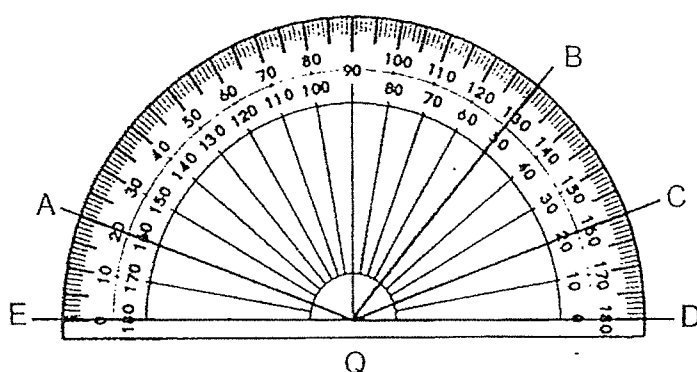
Ans: _____

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

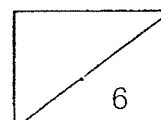
$$\frac{3}{4}, \quad \frac{1}{2}, \quad \frac{5}{8}$$

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

- 25 Name the angle that measures 130° .



Ans: \angle _____



- 26 Figure X and Y are 2 different geometric figures.

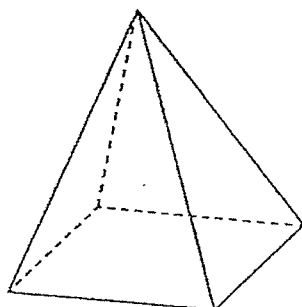


Figure X

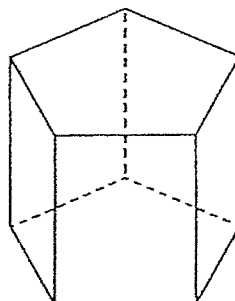


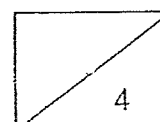
Figure Y

Write the letter representing the figure in the table below.

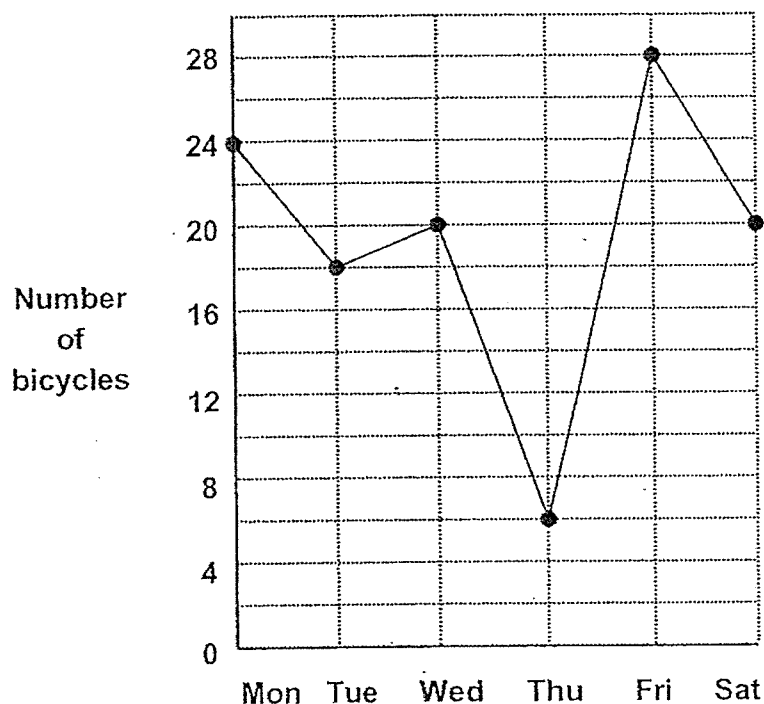
Geometric Figure	Figure
Prism	Ans: a) _____
Pyramid	Ans: b) _____

- 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.

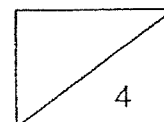


- 28 What was the decrease in the number of bicycles sold from Friday to Saturday?

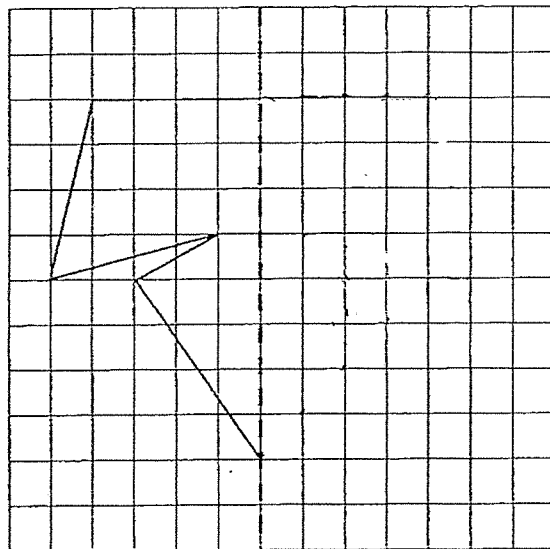
Ans: _____

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

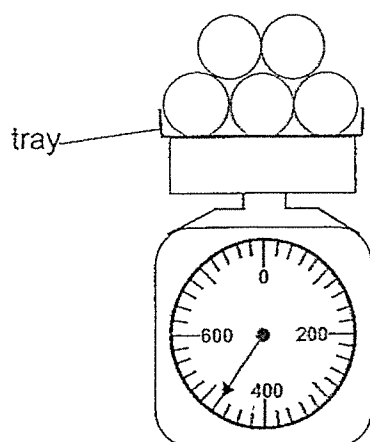
Ans: _____



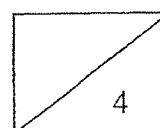
- 30 Complete the symmetric figure with the dotted line as the line of symmetry.



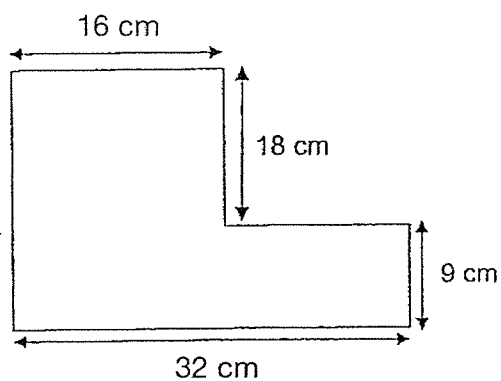
- 31 The weighing scale shows the mass of a tray with 5 identical balls. The mass of the tray is 200 g. What is the mass of each ball?



Ans: _____ g



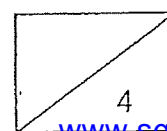
- 32 In the figure below, all lines meet at right angles.
Find the perimeter of the figure.



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.

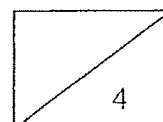
T H A D D E U S T H A D D E U S T ... ?
 1st 65th

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?

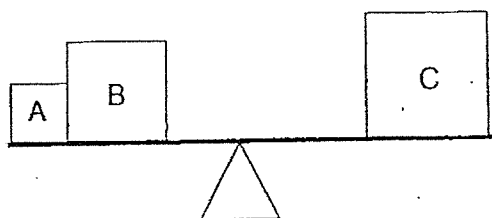
Ans: _____ km



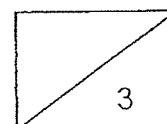
Section C

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)

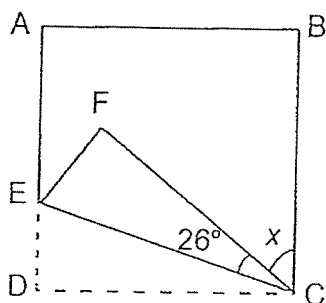
- 36 Box A, B and C are placed on a weighing balance.
 Box A has a mass of 44.5 kg.
 Box B is 31.6 kg heavier than Box A.
 What is the mass of Box C?



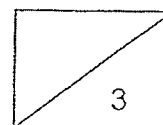
Ans: _____ [3]



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



Ans: _____ [3]



38 Jerry had 5 kg of rice.

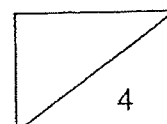
He used $\frac{3}{4}$ kg of it to prepare fried rice and another $\frac{1}{6}$ kg of it to prepare chicken rice.

(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]



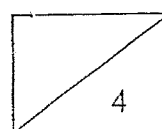
- 39 Devi and Hassan went shopping with the same amount of money. After Devi spent \$180 and Hassan spent \$78, Hassan had three times the amount of money left as Devi.

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

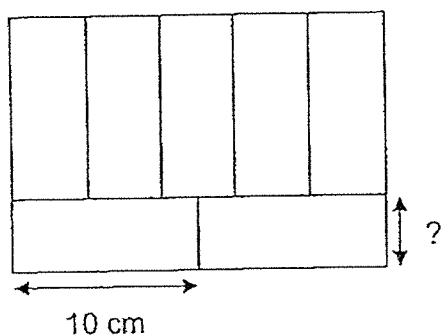
Ans: (a) _____ [1]

(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.

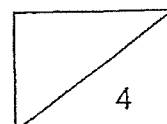


- (a) Find the breadth of each rectangle.

Ans: (a) _____ [2]

- (b) Find the area of the figure.

Ans: (b) _____ [2]



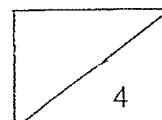
- 41 Vincent mixed 6.4 ℓ of blue paint with 7 ℓ of white paint. After he poured some of the paint into 1 large and 1 small empty tin, there was 2.15 ℓ of paint left. The volume of a large tin was five times as much as a small tin.

(a) How much paint did he mix altogether?

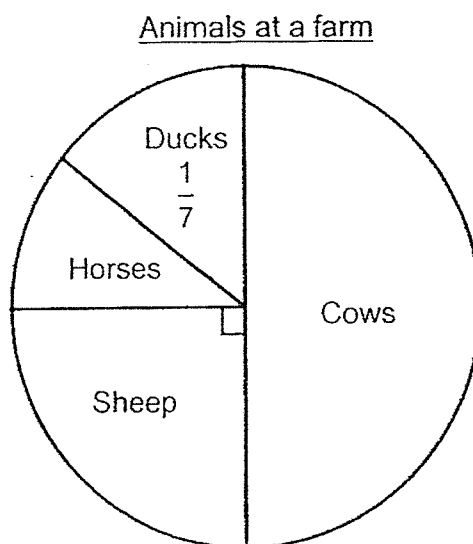
Ans: (a) _____ [1]

(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.

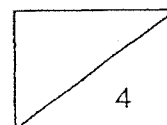


- (a) How many sheep were there in the farm?

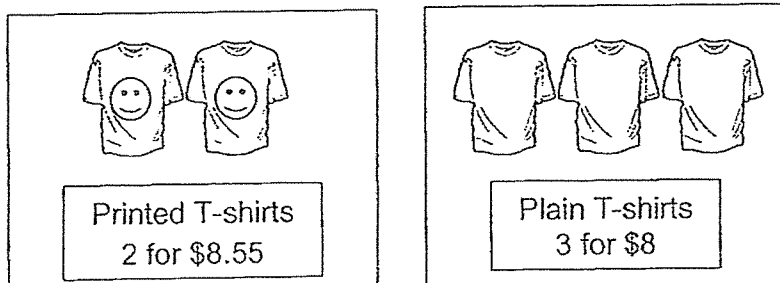
Ans: (a) _____ [2]

- (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.



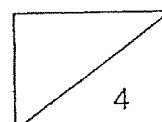
- (a) John had some money. He bought 6 printed T-shirts and had no money left. How much money did he have at first?

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

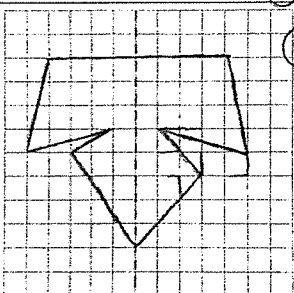


YEAR : 2024
 LEVEL : PRIMARY 4
 SCHOOL : AI TONG PRIMARY SCHOOL
 SUBJECT : MATHEMATICS
 TERM : END OF YEAR EXAMINATION

SECTION A

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

SECTION B

Q16	70000	Q17	12330
Q18	$\angle e$ and $\angle c$	Q19	3099
Q20	$\frac{2}{3}$ and $\frac{8}{12}$	Q21	0.38
Q22	0.04	Q23	$90^\circ - 37^\circ = 53^\circ$
Q24	$\frac{3}{4}, \frac{5}{8}, \frac{1}{2}$	Q25	$\angle BQE$
Q26	a) y b) x	Q27	$0.5 \times 7 = 3.5$ $4.7 - 3.5 = 1.2$ $1.2 \div 0.2 = 6$
Q28	8	Q29	$6 \times 4 = 24$ Ans: monday
Q30		Q31	$480 - 200 = 280$ $280 \div 5 = 56$
Q32	$18 + 9 + 27$ $32 - 16 = 16$ $32 + 27 + 32 + 27 = 118$	Q33	$120 \div 5 = 24$ $24 \times 3 = 72$
Q34	$65 \div 8 = 8R1$ Ans: T	Q35	$7.3 - 4.2 = 3.1$ $3.1 \div 2 = 1.55$

SECTION C

Q36	$44.5Z = 31.6 = 76.1$ $76.1 + 44.5 = 120.6$	Q37	$26 + 26 = 52$ $90 - 52 = 38^\circ$
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Q38	a) $\frac{3}{4} + \frac{1}{6} = \frac{2}{12} + \frac{2}{12} = \frac{4}{12} kg$ b) $4\frac{12}{12} - \frac{11}{12} = 4\frac{1}{12}$	Q39	a) $180 - 78 = \$102$ b) $180 - 78 = 102$ $102 \div 2 = 51$ $51 + 180 = \$231$
Q40	a) $20 \div 5 = 4cm$ b) $20 \times 14 = 280cm^3$	Q41	a) $7.0 + 6.4 = 13.4$ b) $11.25 \div 6 = 1.875$ $1.875 \approx 1.9litre$
Q42	a) $168 \div 4 = 42$ b) $\frac{1}{4} + \frac{1}{7} = \frac{3}{28}$	Q43	a) $8.55 \times 3 = 25.65$ b) $8 \times 3 = 24$ $3 \times 3 = 9$

2
END

