RULANG PRIMARY SCHOOL

Nurturing Competencies, Inspiring Excellence, Empowering Individuals
Scholars of Tomorrow

Established since 1930

Name : _____ ( )

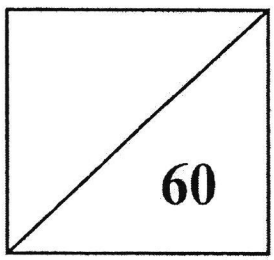
Level : Primary Four

Class : Primary 4

Date : 23 October 2024

END OF YEAR EXAMINATION
2024
MATHEMATICS

PAPER 1



TOTAL TIME FOR PAPER 1: 1 hour
30 questions
60 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

Questions **1** to **15** carry 2 marks each. For each question, four options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4) and shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. **(30 marks)**

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1. In which of the following does the digit 6 stand for 600?

   (1) 6780
   (2) 7680
   (3) 7806
   (4) 8760

2. The value of the digit 1 in 41 925 is _____.

   (1) 10
   (2) 100
   (3) 1000
   (4) 10 000

3. The digit 3 in 4.132 stands for 3 _____.

   (1) ones
   (2) tens
   (3) tenths
   (4) hundredths

4. 4.05 + 3 = _____

   (1) 4.08
   (2) 4.35
   (3) 7.05
   (4) 7.35

5. How many one-fifths are there in 2 wholes?

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

6. $\frac{1}{3} + \frac{1}{6} =$ _____

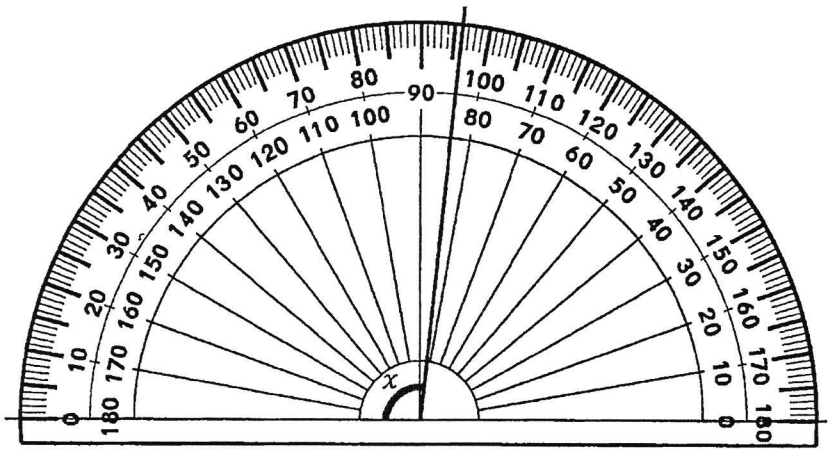
(1) $\frac{1}{18}$

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

(3) $\frac{2}{9}$

(4) $\frac{3}{6}$

7. What is the size of $\angle x$?



(1) 104°

(2) 96°

(3) 86°

(4) 84°

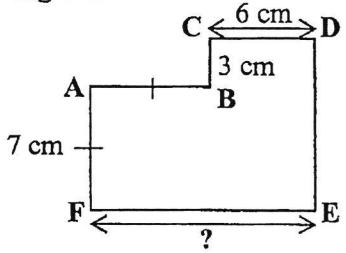
8. In the figure below, AF = AB. What is the length of FE?

(1) 10 cm

(2) 13 cm

(3) 16 cm

(4) 23 cm



9. The perimeter of a square is 36 cm. What is the length of the square?

(1) 6 cm

(2) 9 cm

(3) 81 cm

(4) 144 cm

10. Wei Siang has some erasers. The number of erasers he has is between 30 and 40. He can pack the erasers equally into packets of 3 or 4 erasers. How many erasers does he have?

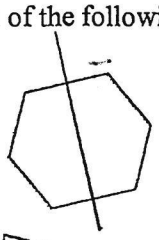
(1) 32

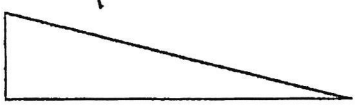
(2) 33

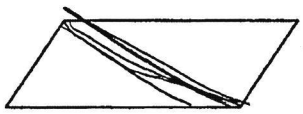
(3) 36

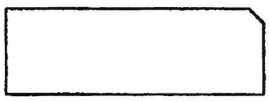
(4) 39

11. Which of the following is a symmetrical figure?

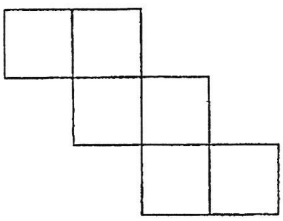
(1) 

(2) 

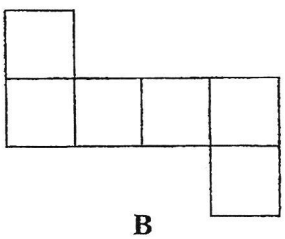
(3) 

(4) 

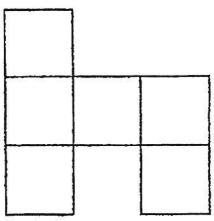
12. Which of the following nets can be folded to form a cube?



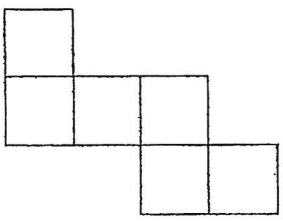
A



B



C



D

(1) A and D only

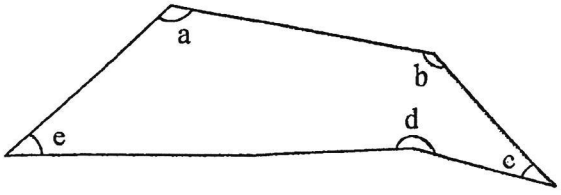
(2) A, B and D only

(3) B, C and D only

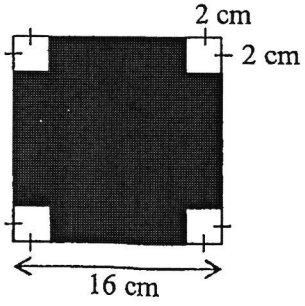
(4) A, B, C and D

13. How many angles in the figure below are acute angles?

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

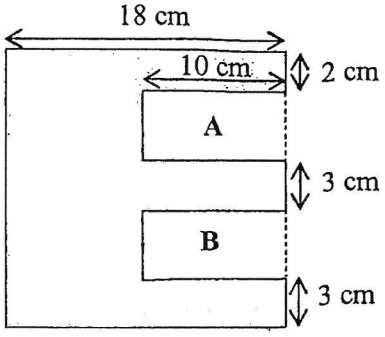


14. The figure below shows a square of side 16 cm. A smaller square of side 2 cm is cut out from each corner of the square. What is the area of the shaded figure?



(1) 76 cm^2
(2) 84 cm^2
(3) 240 cm^2
(4) 248 cm^2

15. Jie Mei had a square piece of paper. She cut out 2 small identical rectangles A and B, as shown in the figure below. The length of each rectangle was twice its breadth. Find the perimeter of the remaining piece of paper.



(1) 32 cm
(2) 62 cm
(3) 72 cm
(4) 112 cm

Questions **16** to **30** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. **(30 marks)**

16. $53\,704 = 50\,000 + 3000 + \_\_?\_\_ + 4$
What is the missing number?

Ans: _____

17. Two factors of 6 are 1 and 6. What are the other two factors of 6?

Ans: _____ and _____

18. What is the remainder when 4042 is divided by 6?

Ans: _____

19. Write 6 tenths as a decimal.

Ans: _____

20. Find the value of 3.94×6.

Ans: _____

21. Express $\frac{9}{15}$ in its simplest form.

Ans: _____

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22. Write $3\frac{2}{5}$ as an improper fraction.

Ans: _____

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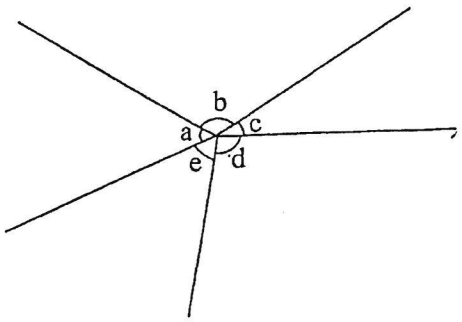
23. Name the two angles that are greater than 90°.



Ans: ∠_____ and ∠_____

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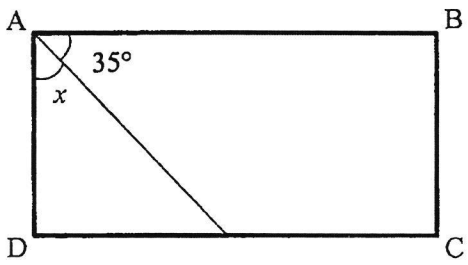
24. ABCD is a rectangle. Find $\angle x$.



Ans: _____ °

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25. At a charity event, it was estimated that the total amount of money raised was $86 000 when rounded to the nearest $1000. What was the smallest possible amount of money raised?

Ans: $ _____

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26. Su Ling read $\frac{2}{5}$ of a book on Monday. She read $\frac{3}{10}$ of the book on Tuesday. What fraction of the book did she read in the two days?

Ans: _____

Use the information below to answer Questions 28 and 29.
The table shows the favourite food of pupils from four Primary 4 classes.

Types of food	Favourite food of pupils in			
	4A	4B	4C	4D
Chicken Rice	12	14	9	10
Nasi Lemak	7	5	8	9
Roti Prata	10	8	8	7
Laksa	11	10	12	9

27. Which is the most popular food?

Ans: _____

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28. How many pupils are there in 4B?

Ans: _____

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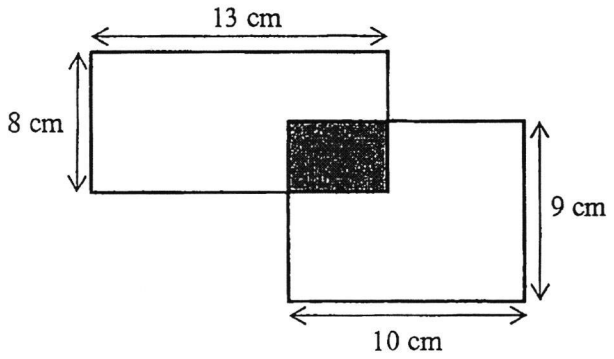
29. The figure shown below is made up of 2 overlapping rectangles. The area of the shaded part is 12 cm^2. What is the area of the unshaded part?



Ans: _____ cm^2

30. Salina wants to use 18 flowers to make a headband. After making 23 headbands, she will have 15 flowers left.

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
Salina has a total of 363 flowers.			
Salina will make more headbands when she uses 12 flowers to make each headband instead.			
Salina decides to use 9 flowers to make a headband instead. She will have 6 flowers left after using the flowers to make as many headbands as possible.			

End of Paper 1

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Name : _____ ( )

Level : Primary Four

Class : Primary 4

Date : 23 October 2024

Total Marks
Papers 1 & 2

100

END OF YEAR EXAMINATION
2024
MATHEMATICS

PAPER 2

40

Parent's signature

TOTAL TIME FOR PAPER 2: 1 hour
16 questions
40 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

Questions **1** to **10** 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.

(20 marks)

1. Mrs Kim wanted to pack all the muffins she bought into boxes of 6 only or boxes of 8 only. What could be the minimum number of muffins she bought?

Ans: _____

2. Stan had 48 stickers at first. He gave 12 stickers to his brother. What fraction of his stickers had he left? Give your answer in the simplest form.

Ans: _____

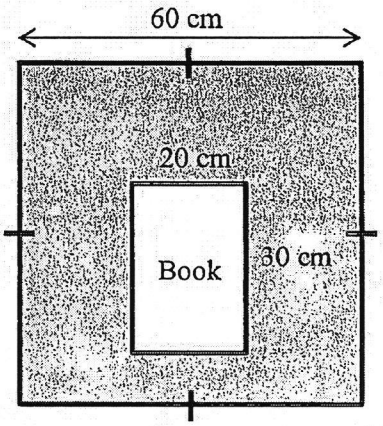
3. A bag of sugar had a mass of 800 g at first. Mdm Koh used $\frac{2}{5}$ of the sugar. What was the mass of the sugar left in the bag?

Ans: _____ g

4. Draw $\angle XYZ = 103°$. Mark and label the angle 103°.

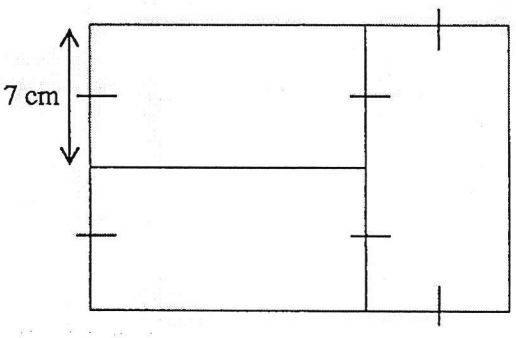
Y X

5. A square table has a length of 60 cm. A book measuring 30 cm by 20 cm is placed on the table. What is the area of the table that is not covered by the book?



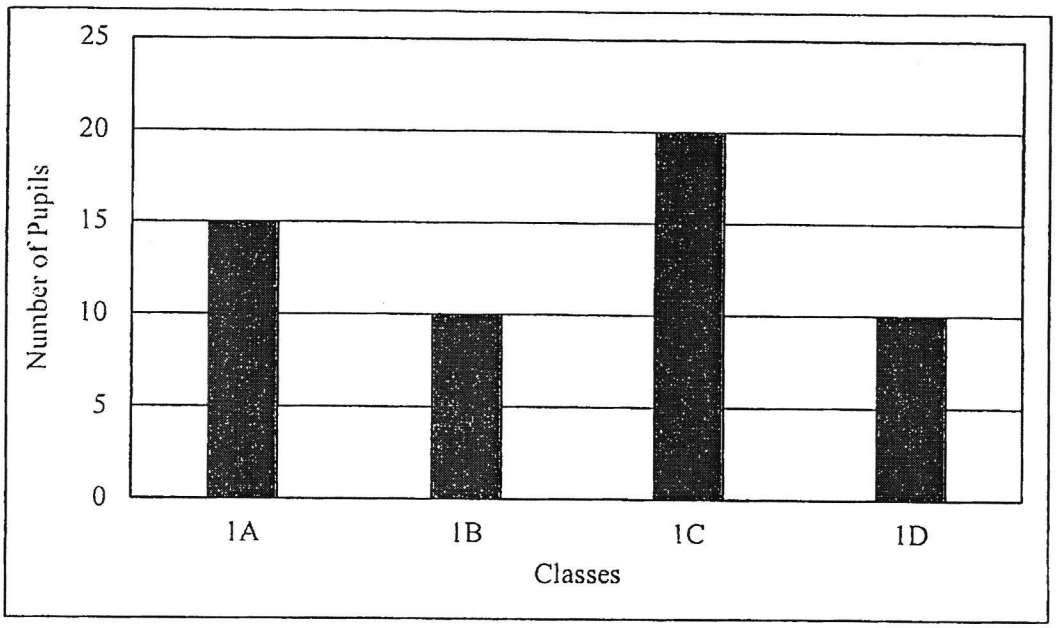
Ans: _____ cm^2

6. The figure below is made up of 3 identical rectangles. The breadth of each rectangle is 7 cm. Find the area of the figure.



Ans: _____ cm^2

Use the information below to answer Questions 7 and 8.
The bar graph shows the number of Primary 1 pupils who take the school bus.



7. How many pupils in Class 1A and Class 1D take the school bus?

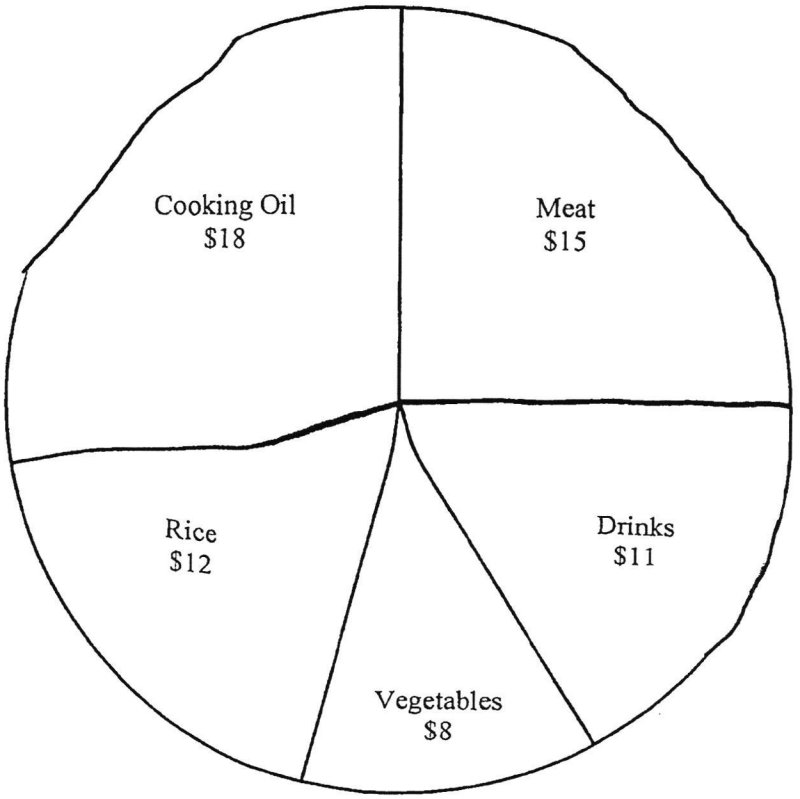
Ans: _____

8. What is the total number of Primary 1 pupils who take the school bus?

Ans: _____

Use the information below to answer Questions 9 and 10.
The pie chart shows the amount of money Mr Tay spent on different items at the supermarket.

Money spent at the Supermarket



9. How much more did Mr Tay pay for the meat and vegetables than the cooking oil?

Ans: $ _____

10. What fraction of his money did Mr Tay spend on the rice?
Give your answer in the simplest form.

Ans: _____

For questions **11** to **16**, show your working 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.

(20 marks)

11. Mdm Wati had $3584. After buying a handbag for $695, she spent the remaining amount of money equally on three air tickets.

(a) How much did she have left after buying the handbag?

Ans: (a) _____ [1]

(b) How much did each air ticket cost?

Ans: (b) _____ [2]

12. A notebook cost \$5.45. Fiona bought 3 such notebooks. She also bought a file for \$8.50.

(a) How much did she spend altogether?

Ans: (a) _____ [2]

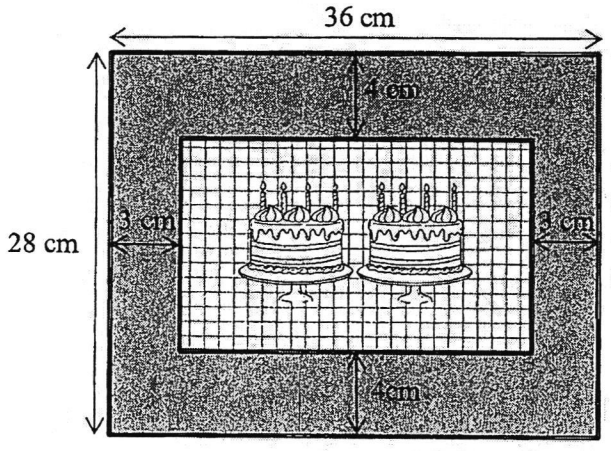
(b) Fiona gave the cashier \$50 to pay for the items.
How much change did she receive from the cashier?

Ans: (b) _____ [1]

13. Bala spent $\frac{1}{4}$ of his money on a scrapbook and $\frac{1}{8}$ of it on a pen. He then spent \$14 on a pencil case and had \$31 left. How much did Bala have at first?

Ans: _____ [3]

14. A rectangular piece of cardboard measures 36 cm by 28 cm. A postcard is pasted at the centre of the cardboard, leaving a border all around it.



(a) What is the area of the cardboard?

Ans: (a) _____ [1]

(b) What is the area of the postcard?

Ans: (b) _____ [2]

15. The workers in a factory had to pack a total of 8505 pens into packets of different sizes. 5 pens were packed into a large packet and 2 pens were packed into a small packet. There were twice as many small packets as large packets in the end.

(a) How many pens were packed in 1 large packet and 2 small packets?

Ans: (a) _____ [1]

(b) How many pens were packed in 2 large packets and 4 small packets?

Ans: (b) _____ [1]

(c) How many large packets were there altogether?

Ans: (c) _____ [2]

16. Mrs Goh prepared some fruit juice for her guests who drank 1.2 litres of the juice. Mrs Goh added another 3.5 litres into the jug. Her guests then drank $\frac{1}{2}$ of what was in the jug. There were 2.8 litres of juice left in the jug in the end.

(a) How much fruit juice did Mrs Goh prepare at first?

Ans: (a) _____ [2]

(b) How much fruit juice did her guests drink altogether?

Ans: (b) _____ [2]

End of Paper 2

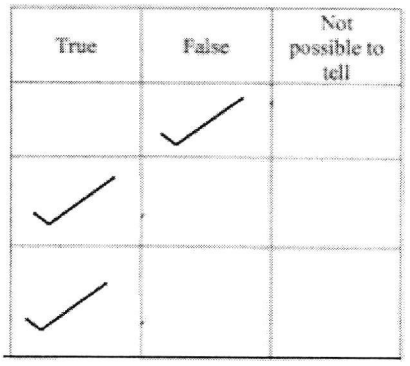
SCHOOL : RULANG PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA2
CONTACT :

BOOKLET A

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

BOOKLET B

Q16	700
Q17	**3 and 2**
Q18	**4**
Q19	**0.6**
Q20	**23.64**
Q21	$\frac{3}{5}$
Q22	$\frac{17}{5}$
Q23	**b and d**
Q24	**55**
Q25	**85500**
Q26	$\frac{7}{10}$
Q27	**Chicken rice**

Q28	**37**
Q29	**14**cm^2
Q30	

SECTION C

Q1	**24**
Q2	**48 - 12 = 36** $\frac{36}{48} = \frac{3}{4}$
Q3	**800 ÷ 5 = 160** **160 x 2 = 320** **800 - 320 = 480**
Q4	
Q5	**60 x 60 = 3600** **30 x 20 = 600** **3600 - 600 = 3000** **3000**cm^2
Q6	**21 x 14 = 294** **294**cm^2
Q7	**25**

Q8	**55**
Q9	**15 + 8 = 23** **23 - 18 = 5**
Q10	**23 + 11 = 34** **34 + 18 = 52** **52 + 12 = 64** $\frac{12}{64} = \frac{3}{16}$
Q11(a)	**$3584 - $695 = $2889**
Q11(b)	**$2889 ÷ 3 = $963**
Q12(a)	**$5.25 x 3 = $16.35** **$16.35 + $3.50 = $24.85**
Q12(b)	**$50 - $24.85 = $25.15**
Q13	$\frac{8}{8} - \frac{1}{4} - \frac{1}{8} = \frac{5}{8}$ **31 + 14 = 45** **45 ÷ 5 = 9** **8 x 9 = $72**
Q14(a)	**36 x 28 = 1008**cm^2
Q14(b)	**4 + 4 = 6** **3 + 3 = 6** **36 - 6 = 30** **28 - 8 = 20** **30 x 20 = 600**cm^2
Q15(a)	**2 + 2 = 4** **5 + 4 = 9**
Q15(b)	**9 + 9 = 18**
Q15(c)	**8505 ÷ 9 = 945**
Q16(a)	**3.5 - 2.8 = 0.7** **2.8 - 0.7 = 2.1** **2.1 + 1.20 = 3.3 litres**
Q16(b)	**1.2 + 2.8 = 4 litres**