

METHODIST GIRLS' SCHOOL (PRIMARY)  
Founded in 1887



MID-YEAR EXAMINATION 2019  
PRIMARY 4  
MATHEMATICS  
(SECTION A)

Total Time

Sections A to C: 1 hour 45 minutes

**INSTRUCTIONS TO CANDIDATES**

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

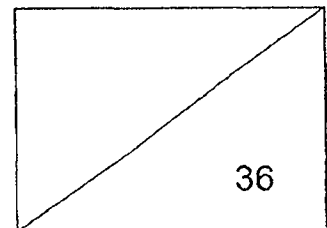
Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: \_\_\_\_\_ ( )

Class : Primary 4. \_\_\_\_\_

Date : 16 May 2019



**SECTION A: 36 marks**

Questions 1 to 18 carry 2 mark 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

---

1 5 ten thousands, 9 tens and 6 ones is the same as \_\_\_\_\_.

- (1) 5 096
- (2) 50 096
- (3) 50 906
- (4) 510 096

2 In 80 123, the digit '0' is in the \_\_\_\_\_ place.

- (1) tens
- (2) hundreds
- (3) thousands
- (4) ten thousands

3 Twenty-seven thousand and thirteen written as numeral is \_\_\_\_\_?

- (1) 2 713
- (2) 27 013
- (3) 27 130
- (4) 20 713

4 Which one of the following is the first common multiple of 6 and 8?

- (1) 48
- (2) 24
- (3) 18
- (4) 16

5 Which one of the following is a multiple of 9?

- (1) 19
- (2) 18
- (3) 3
- (4) 6

6 Which one of the following is an equivalent fraction of  $\frac{3}{8}$ ?

- (1)  $\frac{3}{16}$
- (2)  $\frac{5}{16}$
- (3)  $\frac{6}{8}$
- (4)  $\frac{9}{24}$

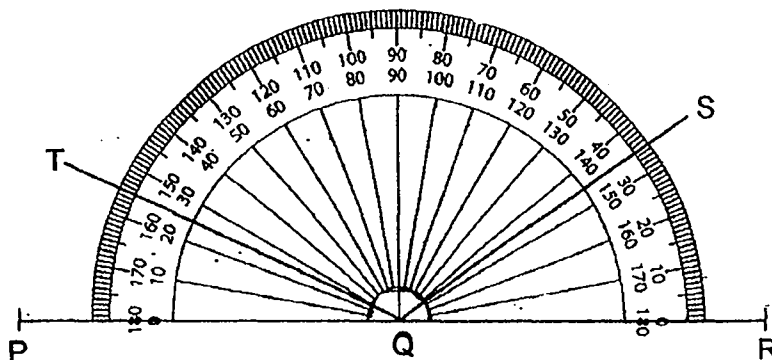
- 7 A stationery set cost \$27. Mrs Lim bought 475 stationery sets to contribute to a donation drive. How much did Mrs Lim pay for the stationery sets?

- (1) \$3 325
- (2) \$4 275
- (3) \$9 500
- (4) \$12 825

- 8 Which of the following numbers when rounded to the nearest 100 does not give 72 300?

- (1) 72 249
- (2) 72 281
- (3) 72 301
- (4) 72 349

- 9 Which one of the following angles is  $155^\circ$  ?



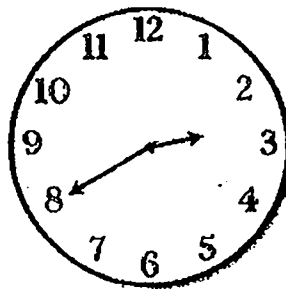
- (1)  $\angle PQT$
- (2)  $\angle PQS$
- (3)  $\angle RQT$
- (4)  $\angle RQS$

- 10 Arrange the following from the smallest to the greatest.

$\frac{3}{7}$	$\frac{5}{8}$	$\frac{1}{2}$
---------------	---------------	---------------

- (smallest)                      (greatest)
- (1)      $\frac{1}{2}$  ,    $\frac{3}{7}$  ,    $\frac{5}{8}$
- (2)      $\frac{3}{7}$  ,    $\frac{1}{2}$  ,    $\frac{5}{8}$
- (3)      $\frac{1}{2}$  ,    $\frac{5}{8}$  ,    $\frac{3}{7}$
- (4)      $\frac{5}{8}$  ,    $\frac{3}{7}$  ,    $\frac{1}{2}$

- 11 The time on the clock is 2.40 p.m. The minute hand makes a half turn clockwise. What time will it be after the turn?



- (1) 2. 10 p.m.
- (2) 2. 55 p.m.
- (3) 3. 05 p.m.
- (4) 3. 10 p.m.

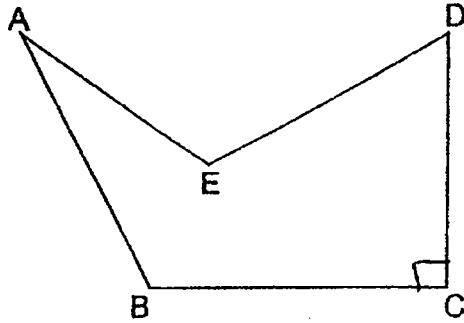
- 12 Mrs Chua had 40 m of cloth. She used  $\frac{3}{5}$  of it to make a sofa cover.  
How many metres of cloth did she have left?

- (1) 8 m
- (2) 16 m
- (3) 24 m
- (4) 32 m

- 13 Jamila used  $\frac{1}{4}$  kg of sugar to bake some muffins. She used  $\frac{1}{12}$  kg more sugar to bake some cookies than the muffins. How much sugar did she use to bake the cookies? Express your answer in the simplest form.

- (1)  $\frac{1}{3}$  kg
- (2)  $\frac{1}{6}$  kg
- (3)  $\frac{4}{12}$  kg
- (4)  $\frac{5}{12}$  kg

- 14 In the figure below, which angle is a right angle?



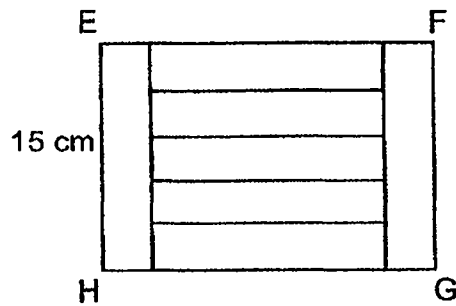
- (1)  $\angle ABC$
  - (2)  $\angle BAE$
  - (3)  $\angle BCD$
  - (4)  $\angle CDE$
- 15 Mr Lim had some balloons.  
He tied them into 208 bunches of 7 balloons each.  
How many balloons were tied?

- (1) 1406
- (2) 1456
- (3) 1476
- (4) 1526

- 16 A number rounded to the nearest tens is 6000. Which one of the following is the smallest possible number?

- (1) 6 014
- (2) 6 003
- (3) 5 996
- (4) 5 985

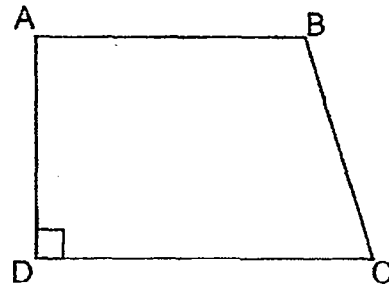
- 17 Rectangle EFGH is made up of 7 identical rectangles as shown below. Find the length of GH.



- (1) 9 cm
- (2) 15 cm
- (3) 18 cm
- (4) 21 cm



- 18 Identify the pair of parallel lines in the figure below.



- (1)  $AB \parallel CD$
- (2)  $AB \parallel BC$
- (3)  $AB \parallel AD$
- (4)  $AD \parallel BC$

**END OF SECTION A**



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MID-YEAR EXAMINATION 2019

PRIMARY 4

MATHEMATICS

(SECTION B)

Total Time

Sections A to C: 1 hour 45 minutes

**INSTRUCTIONS TO CANDIDATES**

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 4. \_\_\_\_\_

Date: 16 May 2019

SECTION A	36
SECTION B	36
SECTION C	28
TOTAL	100

This booklet consists of 9 printed pages including this page

**SECTION B: 36 marks**

Questions 19 to 36 carry 2 marks each. Write your answers in the spaces provided.

For questions which require units, give your answers in the units stated.

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in this space

- 19 25 010 is 450 more than \_\_\_\_\_.

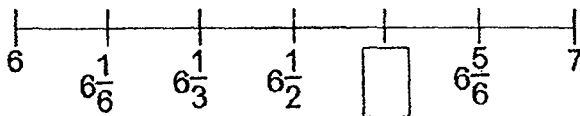
Ans: \_\_\_\_\_

- 20 Use the digits below to form the smallest 5-digit odd number with 8 in the hundreds place.

8 1 3 0 4 2

Ans: \_\_\_\_\_

- 21 What is the missing fraction? Give your answer in the simplest form.



Ans: \_\_\_\_\_

- 22 2 and 3 are two of the common factors of 6 and 12. What are the other common factors?

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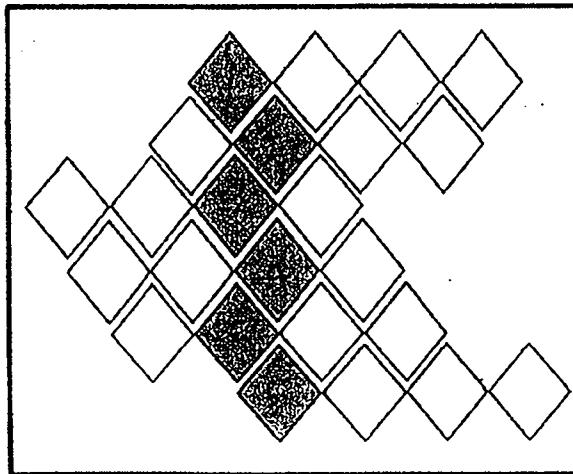
Ans: \_\_\_\_\_

- 23 What is the missing number in the box? Complete the number pattern.

1 505	1 480	?	1 430	1 405
-------	-------	---	-------	-------

Ans: \_\_\_\_\_

- 24 Ravi made an art piece out of 24 diamond-shaped cardboards. How many more diamond-shaped cardboards must be shaded so that  $\frac{3}{8}$  of the art piece is shaded?



Ans: \_\_\_\_\_

25  $\frac{38}{5} = 7 \frac{\boxed{\phantom{00}}}{10}$

What is the missing number in the box?

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Ans: \_\_\_\_\_

26 A toy duck weighs 58 g.

Mr Tan bought 35 toy ducks for a science experiment in school.

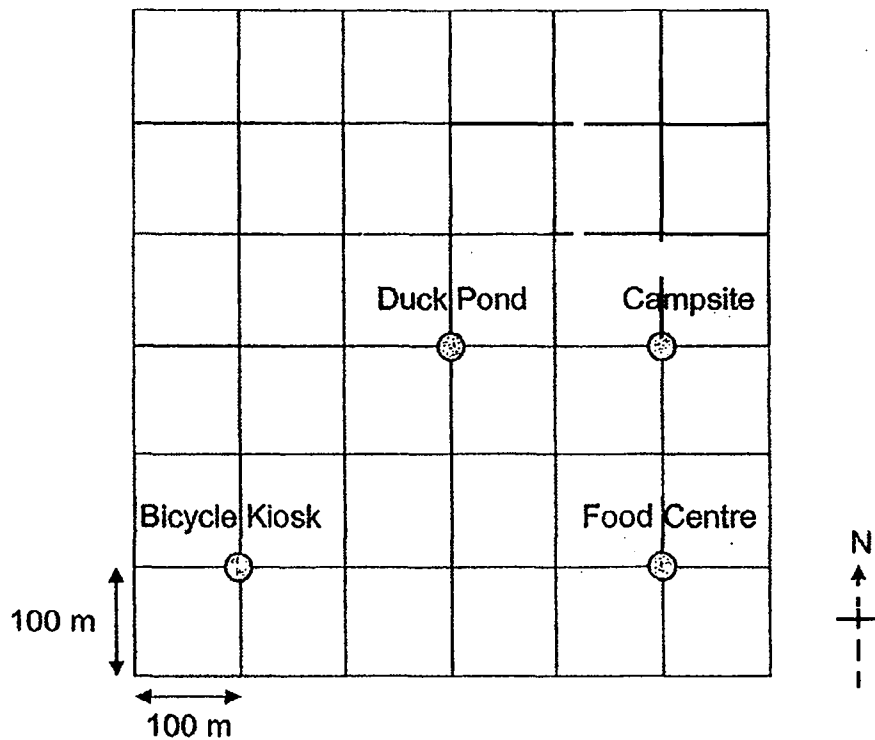
What was the total mass of the toy ducks that Mr Tan had to carry to school?

Ans: \_\_\_\_\_ g

Use the information below to answer Questions 27 and 28.

The square grid below shows the plan of a park.

Ali and his family are in the park.



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- 27 (a) In which direction is the food centre from the duck pond?  
(b) In which direction is the bicycle kiosk from the food centre?

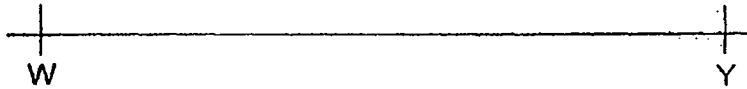
Ans:(a) \_\_\_\_\_

(b) \_\_\_\_\_

- 28 From the food centre, Ali and his family cycled 200 m north to the campsite.  
Using a blue/black pen, trace the route and mark the location of the campsite.  
with an (x) on the grid above.

- 29 Using a protractor and a ruler, draw  $\angle WYZ = 58^\circ$   
Mark and label the angle. The line WY has been drawn for you.

Do not write  
in this space



- 30 I am a number.  
When I am divided by 6, the quotient is 207 and the remainder is 3.  
What number am I?

Ans: \_\_\_\_\_



- 31 Amanda had 2 349 star stickers. She bought some animal stickers. The number of star stickers was 9 times the number of animal stickers. How many animal stickers did she buy?

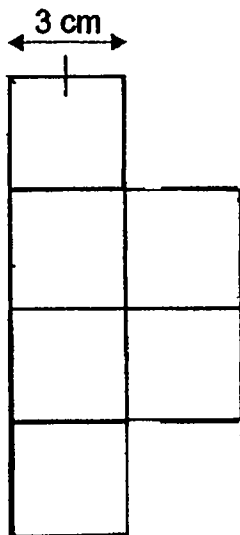
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Ans: \_\_\_\_\_

- 32 There are 8 chocolate bars in one packet. Betty has \$100. How many packets can she buy at most?

Ans: \_\_\_\_\_

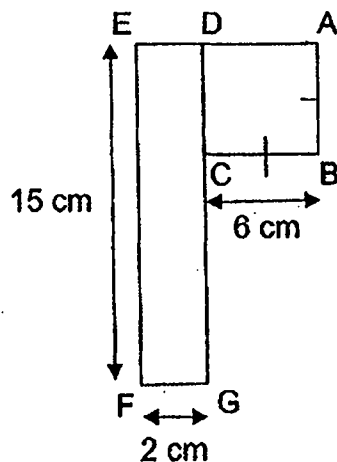
- 33 The figure is made up of 3 cm squares. Find the perimeter of the figure.



Ans: \_\_\_\_\_ cm

Do not write  
in this space

- 34 The figure below is made up of a square ABCD and a rectangle DEFG. Find the length of CG.



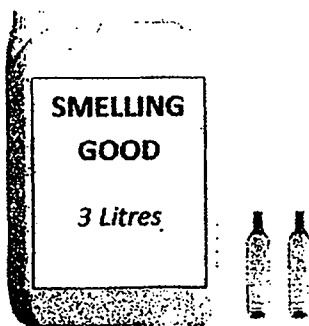
Ans: \_\_\_\_\_ cm

- 35 Sam spent  $\frac{1}{5}$  of his money on a book. He also bought a pair of shoes for \$49. He had \$19 left. How much money did he spend on the book?

Do not write  
in this space

Ans: \_\_\_\_\_

- 36 Madam Amina bought a big container of washing detergent of 3 l. She poured some of the washing detergent into 2 small bottles. Each small bottle contained  $\frac{1}{3}$  l of the washing detergent. How much washing detergent was left in the big container? Express your answer as a mixed number in its simplest form.



Ans: \_\_\_\_\_ l



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PRIMARY 4

MATHEMATICS

(SECTION C)

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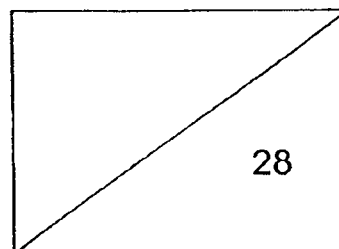
Follow all instructions carefully.

Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 4. \_\_\_\_\_

Date : 16 May 2019



This booklet consists of 7 printed pages including this page

**Section C: 28 marks**

Show your working clearly in the space provided for each question and write your answers in the space provided. The number of marks available is shown in the brackets [ ] at the end of each question or part question.

Do not write  
in this space

- 37 Mr Chua spent \$287 on a buffet dinner for his family at a restaurant. The price for an adult was \$75. He took his wife, his mother and 2 young children to the restaurant.

- (a) How much did he pay for the adults?  
(b) What was the cost for 1 child?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]

- 38 A fruiterer had 1 332 fruits.  
There were 60 fewer oranges than apples.  
There were 24 more bananas than oranges.  
How many oranges were there?

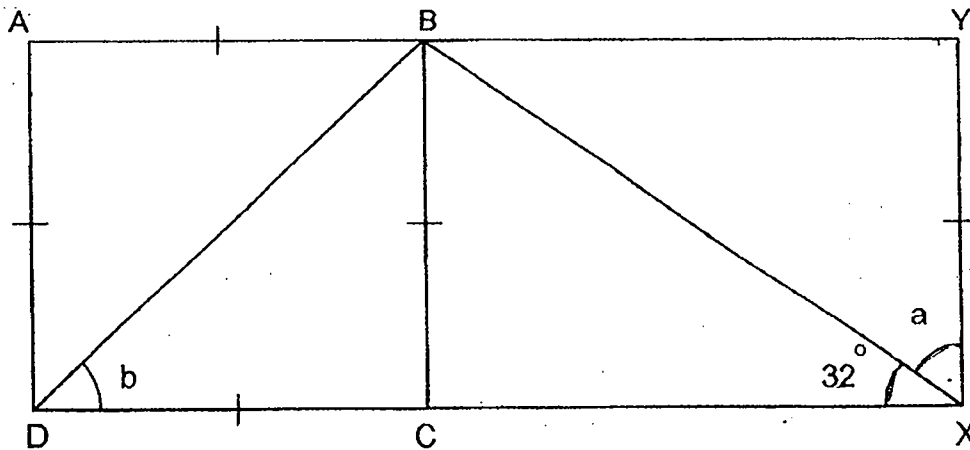
Ans: \_\_\_\_\_ [3]

- 39 Pupils from Peace School visited the zoo.  
 The number of boys was 5 times the number of girls.  
 There were 372 more boys than girls.  
 How many children visited the zoo altogether?

Do not write  
in this space

Ans: \_\_\_\_\_ [3]

- 40 ABCD is a square. BCXY is a rectangle. Find the sum of  $\angle a$  and  $\angle b$ .



Ans: \_\_\_\_\_ [3]

- 41 The table below shows the height and masses of three plants A, B and C.

Plant	Height	Mass
A	$\frac{2}{4}$ m	$\frac{6}{10}$ kg
B	?	$\frac{1}{10}$ kg
C	$\frac{3}{8}$ m	$\frac{1}{5}$ kg

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- (a) What is the difference in mass between Plant A and Plant C?
- (b) What is the total mass of the three plants?
- (c) The total height of A and B is  $\frac{6}{8}$  m. What is the height of plant B?  
Express your answer in the simplest form.

Ans. (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]

(c) \_\_\_\_\_ [2]



- 42 The cost of a cupboard is \$105 cheaper than the cost of a television set.  
Ms Lee paid \$1 920 for 1 cupboard and 2 television sets.  
What is the cost of a television set?

Do not write  
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Ans: \_\_\_\_\_ [4]

☐

43 May read 9 pages of a book in a day.

Narin read 6 pages of the same book in a day.

When May finished reading the book, Narin still had 21 more pages to go.

- (a) How many days did May take to finish reading the book?  
(b) How many pages are there in the book?

Do not write  
in this space

Ans: (a) \_\_\_\_\_ [3]

(b) \_\_\_\_\_ [1]

- 44 Ahmad had 80 more stickers than Tom.  
After Tom gave Ahmad 10 stickers, Ahmad had twice as many stickers as Tom. How many stickers did Tom have at first?

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Ans: \_\_\_\_\_ [4]

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LEVEL : PRIMARY 4

SUBJECT : MATH

TERM : 2019 SA1

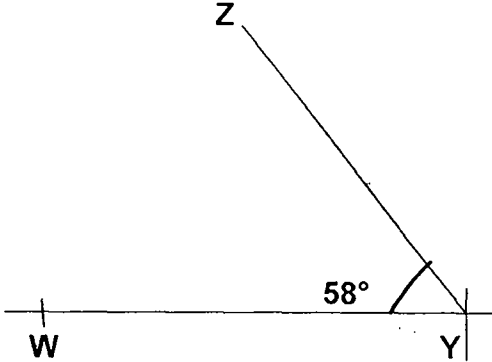
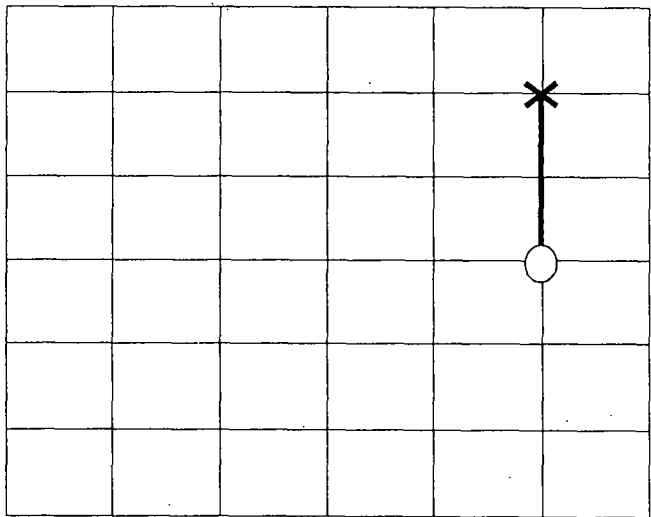
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**BOOKLET A**

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	2	2	2	4	4	1	3	2
Q 11	Q12	Q13	Q14	Q15	Q16	Q17	Q18		
4	2	1	3	2	3	4	1		

**BOOKLET B**

Q19)	24560
Q20)	10823
Q21)	$6\frac{2}{3}$
Q22)	6 and 1
Q23)	$1505 - 1480 = 25$ $1430 - 1405 = 25$ $1480 - 25 = 1455$
Q24)	3
Q25)	6
Q26)	$58 \times 35 = 2030g$

Q27)	<p>a)South-East</p> <p>b)West</p>
Q29)	
Q28)	
Q30)	$207 \times 6 = 1242$ $1242 + 3 = 1245$
Q31)	$2349 \div 9 = 261$
Q32)	$100 \div 8 = 12R4$
Q33)	$3+3+3+6+3+3+3+12 = 36\text{cm}$
Q34)	$15 - 6 = 9\text{cm}$

Q35)	$4 \text{ units} = 49 + 19 = 68$ $1 \text{ unit} = 68 \div 4 = \$17$
Q36)	$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ $3 - \frac{2}{3} = 2\frac{3}{3} - \frac{2}{3}$ $2\frac{1}{3}$
Q37)	a) $75 \times 3 = \$225$ b) $287 - 225 = 62$ $62 \div 2 = \$31$
Q38)	$60 + 24 = 84$ $1332 - 84 = 1248$ $1248 \div 3 = 416$
Q39)	$4 \text{ units} = 372$ $1 \text{ unit} = 372 \div 4 = 93$ $6 \text{ units} = 93 \times 6 = 558$
Q40)	$90 - 32 = 58$ $58 + 45 = 103^\circ$
Q41)	a) $\frac{6}{10} - \frac{1}{5} = \frac{6}{10} - \frac{2}{10} = \frac{4}{10} \div 2 = \frac{2}{5}$ b) $\frac{6}{10} + \frac{1}{10} + \frac{2}{10} = \frac{9}{10} \text{ kg}$ c) $\frac{6}{8} - \frac{2}{4} = \frac{6}{8} - \frac{4}{8} = \frac{2}{8} \div 2 = \frac{1}{4} \text{ m}$
Q42)	$105 \times 2 = 210$ $1920 - 210 = 1710$ $1710 \div 3 = 570$ $570 + 105 = \$675$

Q43)	<p>a) <math>9 - 6 = 3</math></p> <p><math>21 \div 3 = 7</math></p> <p>b) <math>7 \times 9 = 63</math></p> <p>or <math>6 \times 7 = 42</math></p> <p><math>4 \times 3 = 12</math></p> <p>b) <math>7 \times 9 = 63</math></p> <p>or <math>6 \times 7 = 42</math></p> <p><math>42 + 21 = 63</math></p>
Q44)	<p><math>10 + 80 + 10 = 100</math></p> <p><math>100 + 10 = 110</math></p>