



PRIMARY 5 MID-YEAR EXAMINATION 2015

Name : _____ () Date: 18 May 2015

Class : Primary 5 ()

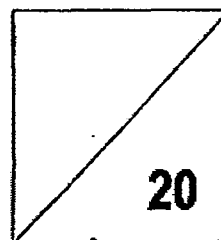
Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Marks: _____ / **100**

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS PAPER 1 (BOOKLET A)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 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.
(20 marks)

1. In 879 425, the digit 7 stands for _____.

- (1) 700
- (2) 7000
- (3) 70 000
- (4) 700 000

2. $600\ 000 + 8000 + 50 + 1 =$ _____

- (1) 680 501
- (2) 680 051
- (3) 608 501
- (4) 608 051

3. A number when rounded to the nearest thousand is 200 000.
Which one of the following is that number?

- (1) 184 000
- (2) 129 500
- (3) 199 500
- (4) 200 900

4. Find the value of $900 \div 25 + 5 \times 10$.

- (1) 300
- (2) 86
- (3) 3
- (4) 410

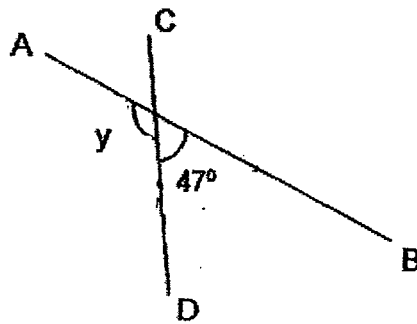
5. Find the value of $\frac{2}{3} + \frac{1}{7}$.

- (1) $\frac{2}{21}$
- (2) $\frac{3}{21}$
- (3) $\frac{13}{21}$
- (4) $\frac{17}{21}$

6. 40 tenths + 15 hundredths = _____

- (1) 0.415
- (2) 0.55
- (3) 4.015
- (4) 4.15

7. AB and CD are straight lines. Find $\angle y$.



- (1) 43°
 - (2) 133°
 - (3) 137°
 - (4) 143°
8. 215 minutes is equal to _____.
- (1) 3 h 35 min
 - (2) 3 h 15 min
 - (3) 2 h 35 min
 - (4) 2 h 15 min
9. Arrange the following fractions from the smallest to the largest.

$$\frac{6}{5}, \frac{11}{10}, 1\frac{1}{7}$$

- (1) $\frac{6}{5}, 1\frac{1}{7}, \frac{11}{10}$
- (2) $\frac{11}{10}, \frac{6}{5}, 1\frac{1}{7}$
- (3) $\frac{11}{10}, 1\frac{1}{7}, \frac{6}{5}$
- (4) $1\frac{1}{7}, \frac{11}{10}, \frac{6}{5}$

10. 105×20 is the same as _____ $\times 100$

- (1) 21
- (2) 30
- (3) 210
- (4) 300

11. Siti had 20 more stickers than May

After May gave 8 stickers to Siti, Siti had 3 times as many stickers as May.

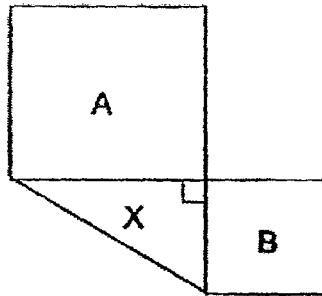
How many stickers did May have in the end?

- (1) 14
- (2) 18
- (3) 26
- (4) 36

12. Faizal had $\frac{4}{5}$ kg of rice. He cooked $\frac{2}{3}$ of it. How much rice had he left?

- (1) $\frac{2}{15}$ kg
- (2) $\frac{4}{15}$ kg
- (3) $\frac{7}{15}$ kg
- (4) $\frac{8}{15}$ kg

13. In the figure, A and B are squares and X is a right-angled triangle.
The area of Square A is 64 cm^2 and the area of Square B is 36 cm^2 .
What is the total area of the figure?



- (1) 24 cm^2
(2) 48 cm^2
(3) 124 cm^2
(4) 148 cm^2
14. Sally bought the same number of pens and files with \$260. Each pen cost \$4 and each file cost \$6. How many pens did she buy?
- (1) 13
(2) 26
(3) 52
(4) 130

15. Complete the number pattern.

8 500 , 6 000 , 7 000 , 4 500 , 5 500 , _____

(1) 3 000

(2) 3 500

(3) 6 500

(4) 8 000



PRIMARY 5 MID-YEAR EXAMINATION 2015

Name : _____ ()

Date: 18 May 2015

Class : Primary 5 ()

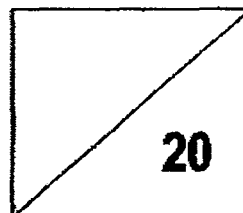
Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1 (BOOKLET B)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

16. Write 7 309 012 in words.

Ans: _____

17. In 9 726 354, the digit 6 is in the _____ place.

Ans: _____

18. Arrange the following digits to form the **smallest 4-digit even number**. Each digit can be used only once.

4 , 5 , 0 , 9

Ans: _____

19. $33\ 000 \div 60 =$ _____

Ans: _____

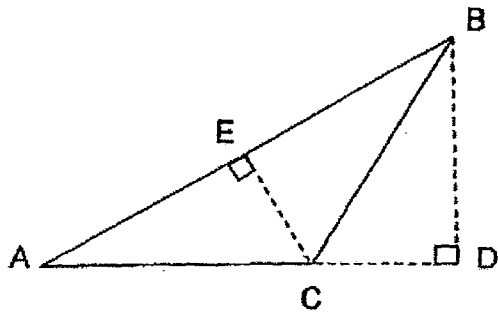
20. Divide 86 by 7. Give your answer as a mixed number in its simplest form.

Ans: _____

21. Find the value of $\frac{5}{8} \div 15$. Give your answer in its simplest form.

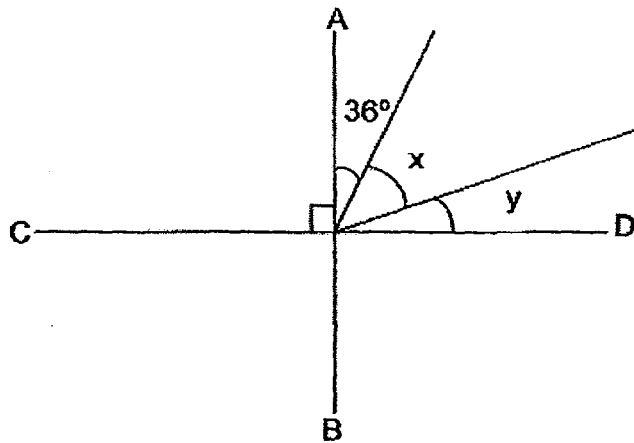
Ans: _____

22. Name the height of Triangle ABC if AC is the base.



Ans: _____

23. The figure below is not drawn to scale. AB is perpendicular to CD. $\angle x$ is twice the size of $\angle y$. Find $\angle y$.

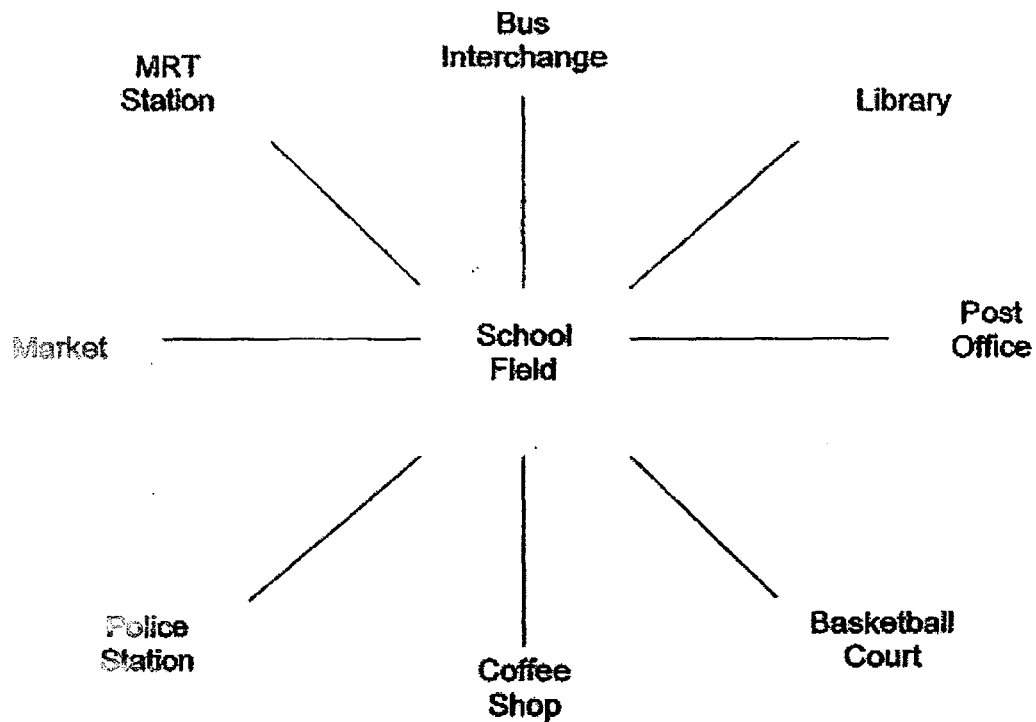


Ans: _____°

24. $0.36 \times 5 =$ _____

Ans: _____

25. Marcus is standing in the middle of the school field. If he turns 225° anti-clockwise, he will be facing the police station. Where is Marcus facing now?



Ans: _____

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26. 860 pupils are going to the zoo. How many buses are needed if each bus can carry only 40 passengers?

Ans: _____

27. Auntie Lili bought 4 kg of grapes at \$5 per kilogram and 3 kg of longans for \$9. How much did she pay altogether?

Ans: \$ _____

28. Devi has 3 more fifty-cent coins than twenty-cent coins. The total value of all her coins is \$9.90. How many twenty-cent coins does she have?

Ans: _____

29. $36 + \frac{1}{2} + \frac{7}{10} + \frac{3}{1000} = \underline{\hspace{2cm}}$. Give your answer in decimal.

Ans: _____

30. The height of the triangle is 12 cm. The base is thrice as long as its height. Find the area of the triangle.

Ans: _____ **cm²**

END OF PAPER



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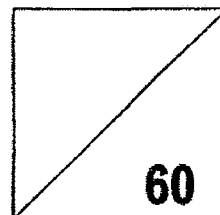
Class : Primary 5 ()

Time: 10.00 a.m. – 11.40 a.m.

Parent's Signature : _____

MATHEMATICS

PAPER 2



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register no.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

-
1. The product of two numbers is 7654. One of the numbers is 86.
What is the sum of the two numbers?

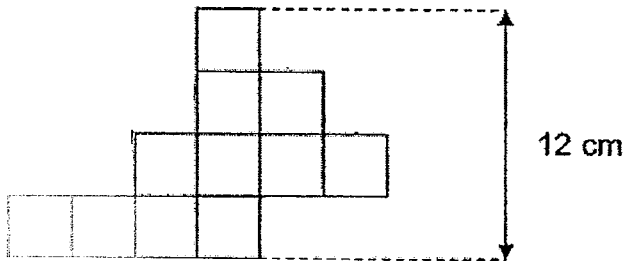
Ans: _____

2. $\angle ABC$ is 165° . Draw the angle and label it.

A ————— B

3. The figure below is made up of identical squares.

What is the perimeter of the figure?



Ans: _____ cm

4. A tank was $\frac{1}{3}$ -filled with water. After adding another 1500 ml of water, the tank became $\frac{3}{4}$ -filled. How much water could the tank hold when it was completely filled with water?

Ans: _____ ml

5. In the school hall, pupils were arranged to stand in rows with the same number of pupils in each row. From where Victoria was standing, there were 6 pupils to her left and 7 pupils to her right. There was 1 row of pupils in front of her and 8 rows of pupils behind her. How many pupils were there in the school hall?

Ans: _____

For questions 6 to 18, show your working clearly in the space provided for each question 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.

(50 marks)

6. Mrs Lee is 32 years old and her son is 8 years old. How old will her son be when Mrs Lee is 3 times as old as him?

Ans: _____ [3]

7. The cost of 6 similar bicycles and 5 similar skateboards was \$4 347.
Each bicycle cost 3 times as much as each skateboard.
Muthu bought 1 bicycle and 1 skate board. How much did he spend?

Ans: _____ [3]

8. Alice and her 3 friends went cycling at Pasir Ris Park. They rented 4 bicycles and the rental charges for each bicycle were as follow:

First hour	\$3.50
Every additional hour or part thereof	\$2

The 4 girls cycled from 9.30 a.m. to 11 a.m. How much did they pay altogether?

Ans: _____ [3]

9. Ming Jun and Laila had the same amount of money at first.

Ming Jun spent $\frac{1}{4}$ of his money and Laila spent $\frac{3}{5}$ of her money.

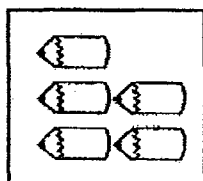
Ming Jun then had \$49 more than Laila. How much did each of them have at first?

Ans: _____ [3]

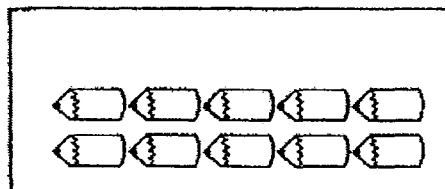
10. Pencils are sold at the prices as shown in the given pictures.



Cost: \$1.10



Cost : \$5.20

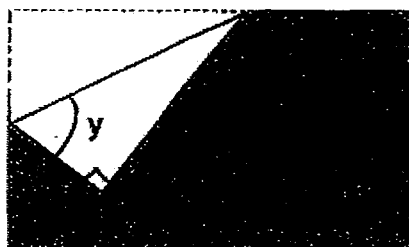


Cost: \$10.00

What is the minimum amount of money Mrs Tan has to pay for 67 pencils?

Ans: _____ [3]

11. Rita has a rectangular piece of paper. She folded the paper as shown below. Find $\angle y$. (The diagram is not drawn to scale.)

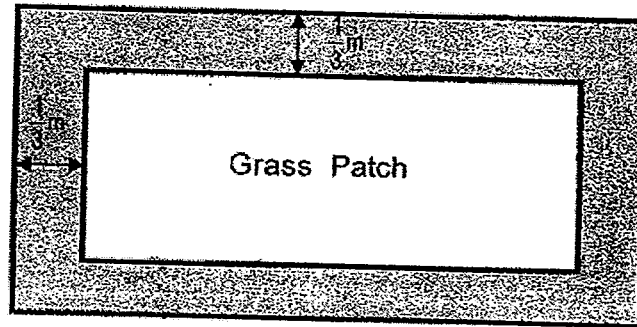


Ans: _____ [3]

12. The figure shows a rectangular grass patch and a footpath surrounding it.

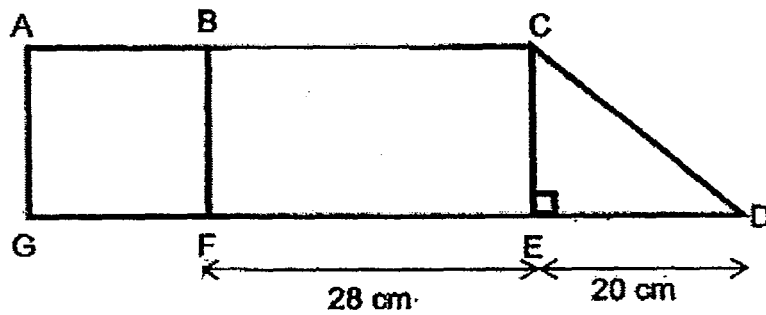
The length of the grass patch is $8\frac{1}{3}$ m and its breadth is 6 m.

The width of the footpath is $\frac{1}{3}$ m. What is the area of the footpath?



Ans: _____ [4]

13. The figure is made up of a rectangle, BCEF, a right-angled triangle, CDE and a square ABFG. Length FG is $\frac{1}{2}$ the length EF. Find the area of the figure.



Ans: _____ [4]

14. Su Lin is training for a running event.

For each day after the first day, she ran 100 m more than the previous day.

At the end of 10 days, she ran a total of 9 500 m.

How far did she run on the first day?

Ans: _____ [4]

15. Ahad bought some chicken pies.

He bought them in packets of 15 and each packet cost \$4.

He sold each pie for 80 cents. He sold a total of 6 385 pies.

(a) What was the least number of packets of chicken pies he bought?

(b) How much money did he make after he sold 6 385 pies?

Ans: (a) _____ [2]

(b) _____ [3]

16. Eugene bought a sack of flour.

He gave $\frac{1}{3}$ of it to his brother and 5 kg to his sister.

He then gave $\frac{3}{8}$ of the remainder to his mother and had 15 kg of flour left.

What was the mass of the sack of flour at first?

Ans: _____ [5]

17. At a carpark, there was a total of 2 617 vehicles.
The number of lorries was 353 less than the number of vans
but 562 more than the total number of cars and motorcycles.
The motorcycles and cars had 1 150 wheels altogether.
How many cars were there in the carpark?

Ans: _____ [5]

13. Study the table below.

Row 1			1	2	3
Row 2	6	5	4		
Row 3			7	8	9
Row 4	12	11	10		
Row 5			13	14	15
Row 6	18	17	16		
Row 7			19	20	21
Row 8	24	23	22		
Row 10					

- (a) Complete Row 10 in the table.
- (b) In which row will you find the numbers 97, 98 and 99?
- (c) Find the sum of the 3 numbers in Row 100.

Ans: (a) [1]

(b) Row _____ [2]

(c) _____ [2]

END OF PAPER

Answer Key

SCHOOL : TAO NAN PRIMARY
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : SA1

CONTACT : CALL MR GAN @ 9299 8971, 8606 5443, 9247 5053

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	3	2	4	4	2	1	3	1

Q 11	Q12	Q13	Q14	Q15
2	2	3	2	1

PAPER 1 BOOKLET B

- Q16) Seven million, three hundred and nine thousand and twelve
Q17) Thousands
Q18) 4590
Q19) 550
Q20) $12\frac{2}{7}$
Q21) $\frac{1}{24}$
Q22) BD
Q23) 18
Q24) 1.8
Q25) Post Office

Q26) $860 \div 40 = 21 \text{ R } 20$

$21 + 1 = \underline{22}$

Q27) $\$5 \times 4 = \20

$\$9 + \$20 = \underline{\$29}$

Q28) $3 \times \$0.50 = \1.50

$\$9.90 - \$1.50 = \$8.40$

$\$0.20 + \$0.50 = \$0.70$

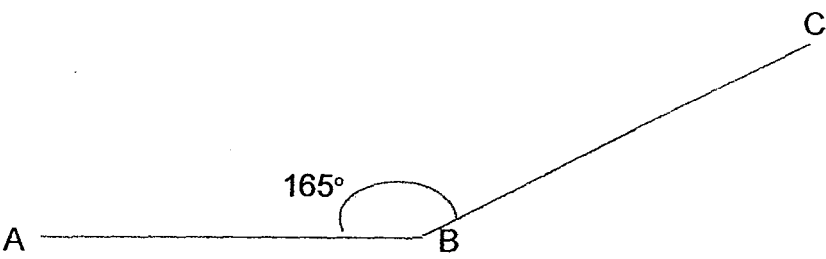
$\$8.40 \div \$0.70 = \underline{12}$

Q29) 37.203

Q30) $12 \text{ cm} \times 3 = 36 \text{ cm}$

$\frac{1}{2} \times 12 \text{ cm} \times 36 \text{ cm} = \underline{216 \text{ cm}^2}$

PAPER 2

Q1)	$7654 \div 86 = 89$ $89 + 86 = \underline{175}$
Q2)	
Q3)	$12 \div 4 = 3$ $3 \times 20 = \underline{60}$
Q4)	$\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$ $1500 \div 5 = 300$ $300 \times 12 = \underline{3600}$

Q5)	$7 + (6 + 1) = 14$ $1 + 8 + 1 = 10$ $10 \times 14 = \underline{140}$
Q6)	$32 - 8 = 24$ $24 \div 2 = 12$ Ans : <u>12 years old</u>
Q7)	$\$347 \div 23 = \189 $\$189 \times 4 = \underline{\$756}$
Q8)	$\$3.50 + \$2.00 = \$5.50$ $\$5.50 \times 4 = \underline{\$22}$
Q9)	$\frac{1}{4} = \frac{5}{20}$ $\frac{3}{5} = \frac{12}{20}$ $12u - 5u = 7u$ $7u \rightarrow \$49$ $1u \rightarrow \$7$ $20u \rightarrow \$7 \times 20 = \underline{\$140}$
Q10)	$67 \div 10 = 6 \text{ R } 7$ $7 \div 5 = 1 \text{ R } 2$ $2 \div 1 = 2$ $2 \times \$1.10 + 1 \times \$5.20 + 6 \times \$10 = \underline{\$67.40}$
Q11)	$180^\circ - 38^\circ = 142^\circ$ $142^\circ \div 2 = \underline{71^\circ}$

Q12)	$6\text{m} + (1/3\text{m} \times 2) = 6 \frac{2}{3}\text{m}$ $(6 \frac{2}{3}\text{m} \times 1/3 \text{ m}) \times 2 = 4 \frac{4}{9} \text{ m}^2$ $(8 \frac{1}{3}\text{m} \times 1/3 \text{ m}) \times 2 = 5 \frac{5}{9} \text{ m}^2$ $4 \frac{4}{9} \text{ m}^2 + 5 \frac{5}{9} \text{ m}^2 = \underline{10 \text{ m}^2}$
Q13)	Length of square GFBA $\rightarrow 28 \text{ cm} \div 2 = 14 \text{ cm}$ Area of triangle CED $\rightarrow \frac{1}{2} \times 14 \text{ cm} \times 20 \text{ cm} = 140 \text{ cm}^2$ Area of rect BCFE $\rightarrow 28 \text{ cm} \times 14 \text{ cm} = 392 \text{ cm}^2$ Area of square ABGF $\rightarrow 14 \text{ cm} \times 14 \text{ cm} = 196 \text{ cm}^2$ Area of the figure $\rightarrow 196 \text{ cm}^2 + 392 \text{ cm}^2 + 140 \text{ cm}^2 = \underline{728 \text{ cm}^2}$
Q14)	$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 = 45$ $100 \text{ m} \times 45 = 4500 \text{ m}$ $9500 \text{ m} - 4500 \text{ m} = 5000 \text{ m}$ $5000 \text{ m} \div 10 = \underline{500 \text{ m}}$
Q15)	(a) $6385 \div 15 = 425 \text{ R } 10$ $425 + 1 = \underline{426}$ (b) $\$4 \times 426 = \1704 $6385 \times \$0.80 = \5108 $\$5108 - \$1704 = \underline{\$3404}$
Q16)	$5/8$ of the remainder $\rightarrow 15 \text{ kg}$ $1/8$ of the remainder $\rightarrow 15 \text{ kg} \div 5 = 3 \text{ kg}$ $8/8$ of the remainder $\rightarrow 3 \text{ kg} \times 8 = 24 \text{ kg}$ $2/3$ of the flour $\rightarrow 24 \text{ kg} + 5 \text{ kg} = 29 \text{ kg}$ $1/3$ of the flour $\rightarrow 29\text{kg} \div 2 = 14.5 \text{ kg}$ $3/3$ of the flour $\rightarrow 14.5 \text{ kg} \times 3 = \underline{43.5 \text{ kg}}$

Q17)	<p>$2617 - (562 + 353) = 1140$</p> <p>Total No. of Cars & Motorcycles $\rightarrow 1140 \div 3 = 380$</p> <table> <tr> <th><u>No. of cars</u></th><th><u>No. of wheels</u></th><th><u>No. of motorcycles</u></th><th><u>No. of motorcycle wheels</u></th><th><u>Total No. of wheels</u></th><th><u>Are there 1150 wheels?</u></th></tr> <tr> <td>130</td><td>260</td><td>250</td><td>500</td><td>760</td><td>X</td></tr> <tr> <td>200</td><td>800</td><td>180</td><td>360</td><td>1160</td><td>X</td></tr> <tr> <td>198</td><td>792</td><td>182</td><td>364</td><td>1156</td><td>X</td></tr> <tr> <td>195</td><td>780</td><td>185</td><td>370</td><td>1150</td><td>✓</td></tr> </table> <p>Ans : <u>195</u></p>	<u>No. of cars</u>	<u>No. of wheels</u>	<u>No. of motorcycles</u>	<u>No. of motorcycle wheels</u>	<u>Total No. of wheels</u>	<u>Are there 1150 wheels?</u>	130	260	250	500	760	X	200	800	180	360	1160	X	198	792	182	364	1156	X	195	780	185	370	1150	✓
<u>No. of cars</u>	<u>No. of wheels</u>	<u>No. of motorcycles</u>	<u>No. of motorcycle wheels</u>	<u>Total No. of wheels</u>	<u>Are there 1150 wheels?</u>																										
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195	780	185	370	1150	✓																										
Q18)	<p>(a)</p> <table> <tr> <td>Row 10</td><td>30</td><td>29</td><td>28</td></tr> </table> <p>(b) $99 \div 3 = \underline{33}$</p> <p>(c) $100 \times 3 = 300$</p> <p>$300 - 1 = 299$</p> <p>$300 - 2 = 298$</p> <p>$300 + 299 + 298 = \underline{897}$</p>	Row 10	30	29	28																										
Row 10	30	29	28																												

