Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2015 Semestral Assessment Two

Paper 1

Booklet A

27 October 2015

Total Time for Booklets A and B : 50 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
The use of calculators is NOT allowed.

This booklet consists of 7 printed pages including the cover page.

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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 correct oval (1, 2, 3, or 4) on the Optical Answer Sheet.

(20 marks)

---

1. How many thousands are there in 10 million?

   1) 1 000 000

   2) 100 000

   3) 10 000

   4) 1 000

2. Express $8\frac{37}{1000}$ as a decimal.

   1) 8.37

   2) 8.037

   3) 8.307

   4) 80.37

3. Convert 62 090 mℓ to ℓ.

   1) 6.209 ℓ

   2) 62.09 ℓ

   3) 62.9 ℓ

   4) 620.9 ℓ

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4. What is the missing number in the box?

$\boxed{?} \div 100 = 13.6$

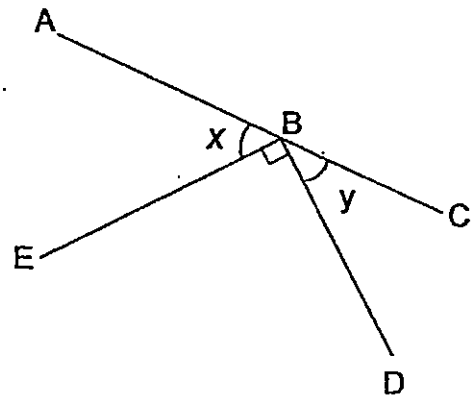
1) 0.136

2) 1.36

3) 136

4) 1360

5. In the figure, not drawn to scale, ABC is a straight line. Find the sum of $\angle x$ and $\angle y$.



1) 45°

2) 60°

3) 90°

4) 120°

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6. Find the volume of a cube of edge 8 cm.

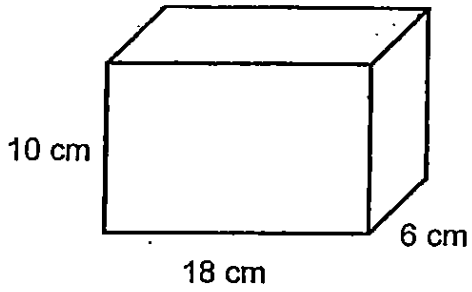
1) 512 cm^3

2) 384 cm^3

3) 64 cm^3

4) 48 cm^3

7. Find the maximum number of 1-cm cubes that can be put into the box shown below.



1) 1080

2) 180

3) 108

4) 34

8. At a health workshop, there are 60 participants. 15% of the participants are females. Find the number of male participants.

1) 9

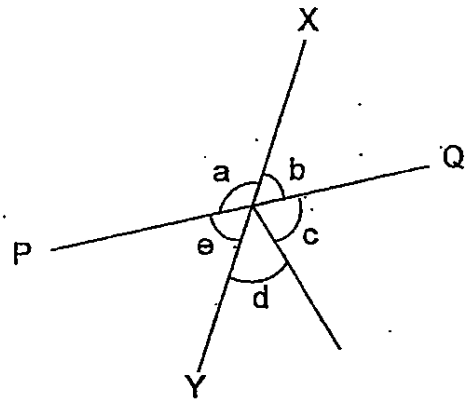
2) 25

3) 45

4) 51

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9. In the figure shown below, PQ and XY are straight lines. Which of the following statements is correct?



1) $\angle a = \angle d$

2) $\angle c = \angle e$

3) $\angle c + \angle d = \angle a$

4) $\angle a + \angle b = \angle d$

10. In a box, there were big apples and small apples. 135 of the apples were big and 365 of the apples were small. What percentage of the apples was small?

1) 1.35 %

2) 3.65 %

3) 27 %

4) 73 %

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11. Mrs Leong bought some minced meat. She made 90 meat balls and had 2 kg of minced meat left. She used 35 g of minced meat for each meat ball. How much minced meat did she buy?

1) 1.15 kg

2) 2.315 kg

3) 3.17 kg

4) 5.15 kg

12. The pupils in a camp were divided equally into Team Ace and Team Bravo. The ratio of the number of boys to the number of girls in Team Ace was 3 : 8. There were 48 girls in Team Ace. What is the total number of pupils at the camp?

1) 66

2) 132

3) 176

4) 352

13. Mr Sng is 54 years old. The ratio of his age to Adam's age is 3 : 1. Find the ratio of Mr Sng's age to Adam's age in 4 years' time.

1) 7 : 5

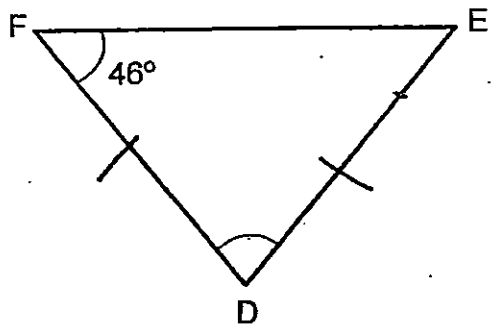
2) 27 : 11

3) 29 : 9

4) 29 : 11

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14. In the triangle DEF, not drawn to scale, DE = DF. Find $\angle FDE$.



1) 46°

2) 67°

3) 88°

4) 92°

15. Which one of the following is bigger than $\frac{3}{4}$?

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

2) $\frac{3}{5}$

3) $\frac{5}{8}$

4) $\frac{13}{16}$

** END OF BOOKLET A**

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Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2015 Semestral Assessment Two

Paper 1

Booklet B

27 October 2015

Booklet A	20
Booklet B	20
Total (Paper 1)	40

Total Time for Booklets A and B : 50 min

INSTRUCTIONS TO CANDIDATES

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Answer all questions.
The use of calculators is **NOT** allowed.

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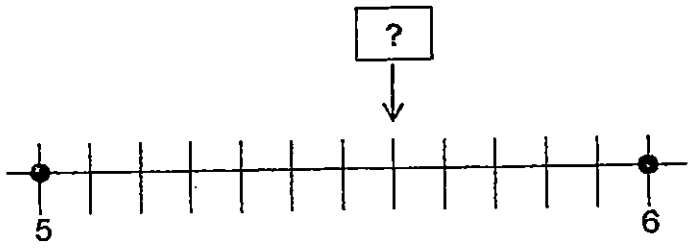
Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

16. Find the product of 128 and 4000.

Ans : _____

17. What is the missing value in the box? Leave your answer as a mixed number.



Ans : _____

18. The ratio of Dawn's marbles to Jovan's marbles was 4 : 7. Jovan gave away half of his marbles. What would be the ratio of Dawn's marbles to Jovan's marbles?

Ans : _____

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19. The mass of 12 identical packets of instant noodles is 1.02 kg. Find the total mass of 4 such packets of instant noodles.

Do not write in this space.

Ans : _____ kg

20. Express 91 m 3 cm in metres.

Ans : _____ m

21. Mrs Wong prepared some lemonade for her family. She kept $\frac{2}{5}$ of it and divided the rest equally among her four children. What fraction of the lemonade did each child get?

Ans : _____

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22. Study the following number pattern. How many times does the number 12 appear in the first 23 numbers?

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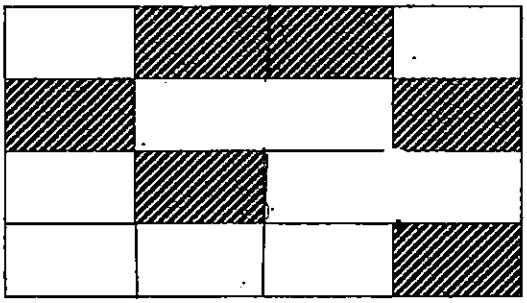
6, 8, 12, 17, 6, 8, 12, 17, 6, 8, 12, 17, ...

↓

1st

Ans : _____

23. What percentage of the figure is shaded?



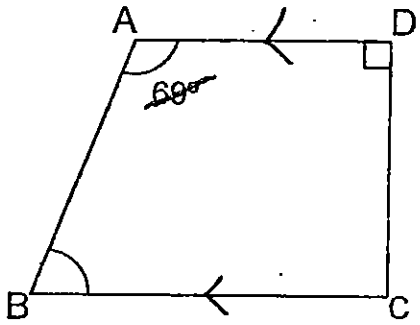
Ans : _____ %

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24. In the figure below, not drawn to scale, ABCD is a trapezium. Find ∠ABC.

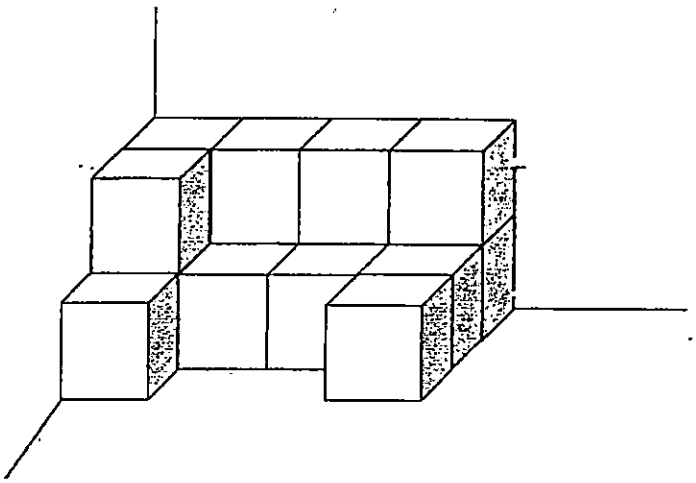
BAD

Do not write in this space.



Ans : _____ °

25. The solid below is made up of 1-cm cubes. Find the volume of the solid.



Ans : _____ cm^3

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Questions **26** to **30** 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. (10 marks)

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26. Miya is 1.4 m tall. She is 0.07 m taller than Jordyn. Find the total height of the two children.

Ans : _____ m

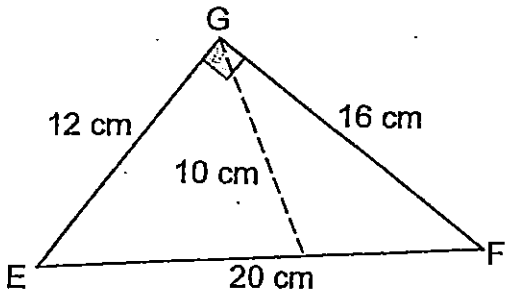
27. Mdm Han made 56 bookmarks. She gave Lusin $\frac{3}{8}$ of the bookmarks. Then she gave Samy $\frac{1}{5}$ of the remaining bookmarks. How many more bookmarks than Samy did Lusin receive?

Ans : _____

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28. What is the area of triangle EFG as shown in the figure below?

Do not write in this space.



Ans : _____ cm²

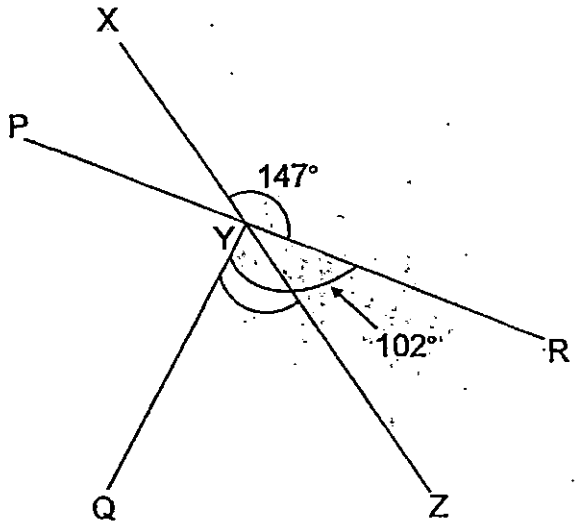
29. Every day, Katie will complete an average of 45 sit-ups. Find the total number of sit-ups completed by Katie in 3 weeks.

Ans : _____

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30. The figure below is not drawn to scale. XYZ and PYR are straight lines. $\angle XYR = 147°$ and $\angle QYR = 102°$. Find $\angle QYZ$.

Do not write in this space.



Ans : _____ °

END OF PAPER 1

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Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2015 Semestral Assessment Two

Paper 2

27 October 2015

Paper 1	40
Paper 2	60
Total	100

_____

Parent's / Guardian's Signature

Time : 1 hour 40 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so
Follow all instructions carefully.
Answer all questions.
The use of an approved calculator is expected, where appropriate.

This booklet consists of 15 printed pages including the cover page.

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Questions 1 to 5 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.

(10 marks)

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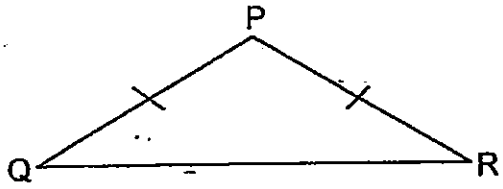
1. Fresh Dry Cleaning charges the cleaning of towels and curtains as shown below.

Towels (per kg)	$8.00
Curtains (per kg)	$9.50

Pella sent 15 kg of towels and some curtains for cleaning. She paid $234 in total. Find the mass of curtains Pella sent for cleaning.

Ans : _____ kg

2. In the figure, PQR is an isosceles triangle. The ratio of the length PQ to the length QR is 5 : 8. The perimeter of the triangle is 531 cm. Find the length of PQ.



Ans : _____ cm

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3. Asako packed an average of 84 books on 2 shelves. Then she packed a total of 267 books on another 3 shelves. Find the average number of books Asako packed on all the shelves.

Do not write in this space.

Ans : _____

4. At a spelling quiz, participants had to obtain a minimum score in the first round to qualify for the second round. There were 120 participants in the first round. The table shows the number of participants for each score.

Score	Number of participants
0 – 10	21
11	18
12	39
13	19
14	13
15	10

35% of the participants qualified for the second round. Based on the table, what was the lowest score of a participant who qualified for the second round?

Ans : Score of _____

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5. Pauline used a calculator to find the product of a 4-digit number and a 1-digit number. For the 1-digit number, she made a mistake by pressing 9 instead of 8. The incorrect answer she obtained was 13 608. What should be the correct answer?

Do not write in this space.

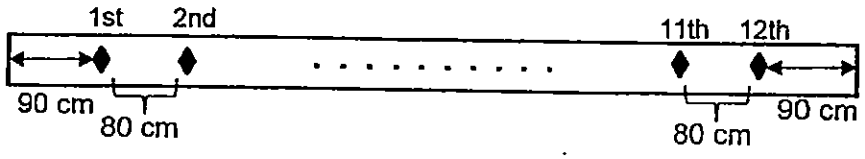
Ans : _____

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For questions 6 to 18, 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. (50 marks)

Do not write in this space.

6. Carter had a piece of wooden plank. He made 12 markings on it. Each marking is 80 cm apart as shown below. Find the length of the plank in metres.



Ans : _____ . [3 m]

7. Ethan sold 60% of the funfair tickets on Friday. He sold $\frac{3}{8}$ of the remaining tickets on Saturday and the rest of the tickets on Sunday. What percentage of the funfair tickets did he sell on Sunday?

Ans : _____ . [3 m]

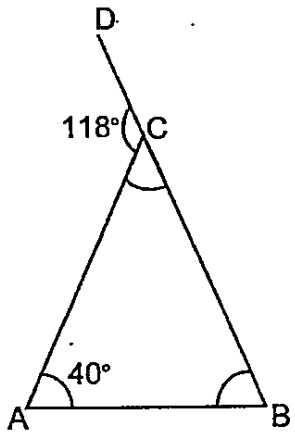
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write in this space.

8. A group of 24 people collected some newspapers for a recycling project. Each adult collected 16 kg of newspapers while each child collected 9 kg of newspapers. The adults collected 184 kg more newspapers than the children. Find the number of adults in the group.

Ans : _____ [3 m]

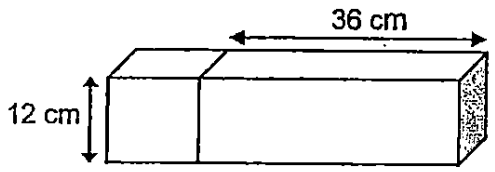
9. The figure below is not drawn to scale. BCD is a straight line. Find $\angle ABC$.



Ans : _____ [3 m]

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10. The solid shown below is made up of a cube and a cuboid. Find the total volume of the solid.



Do not write in this space.

Ans : _____ [3 m]

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11. Mr Gopal donated $\frac{1}{6}$ of his money plus \$12 to the Red Cross Society. He spent $\frac{2}{3}$ of the remaining money and an additional \$26 on a meal. He had \$83 left. How much money did Mr Gopal have at first?

Do not write in this space.

Ans : _____ [4 m]

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12. At a school camp, $\frac{1}{4}$ of the pupils in Team A is equal to $\frac{3}{5}$ of the pupils in Team B. There were 112 more pupils in Team A than Team B. What is the number of pupils in Team A?

Do not write in this space.

Ans : _____ [4 m]

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13. Mega Company stored 4290 crates in 3 warehouses, A, B and C. The ratio of the number of crates in A to the number of crates in B was 3 : 2. The ratio of the number of crates in B to the number of crates in C was 1 : 5.

a) How many more crates were stored in C than A?

b) What percentage of all the crates was stored in A?

Do not write in this space.

Ans : a) _____ [3 m]

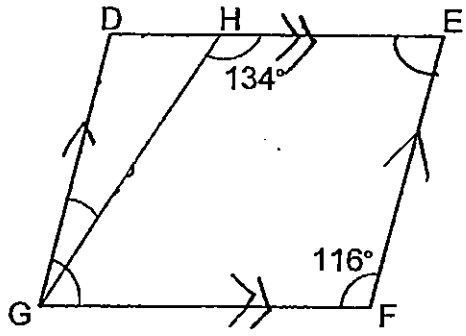
b) _____ [2 m]

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14. The figure below is not drawn to scale. DEFG is a parallelogram.

a) Find $\angle DGF$

b) Find $\angle DGH$



Do not write in this space.

Ans : a) _____ [2 m]

b) _____ [2 m]

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15. Nermin and her sister went shopping at Cool Boutique with a total sum of $700. Nermin bought a jacket using 40% of the money. Her sister bought a pair of sneakers at $70. In addition, both sisters had to pay 7% GST for the two items. What was the total amount of money both of them had left?

Do not write in this space.

Ans : _____ .[5 m]

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16. At the market, the prices of some fruits and vegetables are shown below.

Sweet potatoes	750 g for $2.60
Apples	4 for $4.65
Mushrooms	?

Baylee bought 3 kg of sweet potatoes, 24 apples and 200 g of mushrooms. She paid $46.40 altogether. Find the price of 100 g of mushrooms.

Do not write in this space.

Ans : _____ [5 m]

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17. At Tea Place, there were twice as much Jasmine tea leaves as Oolong tea leaves for sale. 330 kg of Jasmine tea leaves and 85 kg of Oolong tea leaves were sold. In the end, the amount of Jasmine tea leaves was $\frac{1}{3}$ of the amount of Oolong tea leaves. How many kg of Oolong tea leaves were there for sale at first?

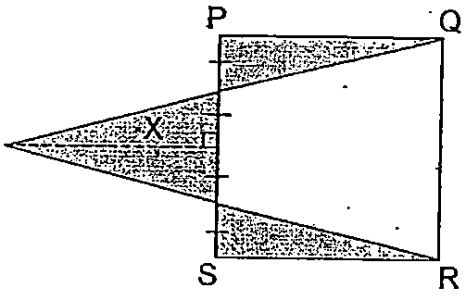
Do not write in this space.

Ans : _____ [4 m]

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18. The figure shows a triangle X on one side of square PQRS. The perimeter of the square is 84 cm. The height of triangle X is the same as the length of one side of the square. Find the total area of the shaded parts.

Do not write in this space.



Ans : _____ [4 m]

**** END OF PAPER ****

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EXAM PAPER 2015

LEVEL : PRIMARY 5
SCHOOL : CHIJ ST NICHOLAS GIRLS SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : SA2

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

Q16.512 000 Q17. $5\frac{7}{12}$

Q18. 8 : 7 → D : J, 4 : 7, 8 : 14, 8:7

Q19. 0.34kg →12 pkts→ 1.02kg, 4 pkts→ 1.02 ÷ 3 = 0.34

Q20. 91.03m→ 1m = 100cm, 91m 3cm = 91.03m

Q21. $\frac{3}{20}$ → $1 - \frac{2}{5} = \frac{3}{5}, \frac{3}{5} \div 4 = \frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$

Q22. 6→ 23 ÷ 4 = 5 R 3 ≈ 6

Q23. 37.5%→ $\frac{6}{16} \times \frac{100}{1} = \frac{75}{2} = \frac{375}{10} = 37.5$

Q24. 111° →180° – 69° = 111°

Q25. $15cm^3$→ 1 x 1 x 1 =1, 10 + 5 = 15, 15 x 1 = 15

Q26. 2.73m→ J→ 1.4 – 0.07=1.33, 1.33 +1.4 = 2.73

Q27. 14 →1u 56 ÷8 =7, 3u-u =2u, 2 x 7 = 14

Q28. $96cm^2$→ $\frac{1}{2}$ x 12 x 16 = 96

Q29. 945→ 7 x 3 = 21, 21 x 45 = 945

Q30. 69° →$\angle ZYR$ 180 − 147 = 33, 102 − 33 = 69

Q1. 12kg → 15 x 8 = 120, 234 – 120 = 114, 114 ÷ 9.50 = 12

Q2. 147.5cm→ PQ:QR, 5:8, 5u x 2 = 10u, 10u +8u=18u, U→ 531÷ 18 = 29.5,
29.5 x 5 = 147.5

Q3. 87→ total→ 84 x 2 = 168, 168 + 267 = 435, 435 ÷ 5 = 87

Q4. 13→ Second rd $\frac{35}{100}$ x 120 = 42, 19 + 13 +10 = 42

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Q5. 12 096→ 136 08 ÷ 9 = 1512, 1512 x 8 = 12 096

Q6. 10.6m →1m = 100cm , 90 x 2 = 180, 12 – 1 = 11, 11 x 80 = 880, 880 + 180 = 1060, 1060cm = 10.6m

Q7. 25% →10u – 6u = 4u, 4u = 8p, u = 2p, , 10u=20p, $\frac{5}{20}$ x 100 = 25

Q8. 16→ 24 x 16 = 384, 384 ÷184 = 200, 200 ÷ (16 + 9) = 200÷25=8, 24 – 8 = 16

Q9. 78°→ $\angle ACB$→ $180° - 118° = 62°$, $\angle ABC$→ $180° - 62° - 40° = 78°$

Q10. 6912cm³ → A →36 x 12 x 12 = 5184, B →12 x 12 x 12 = 1728, 5184 + 1728=6912.

Q11. $406.80→ IP→ 26 + 83= 109, 3P→ 109 x 3 = 327, 5U→ 327 + 12 = 339, 1U→ 339 ÷ 5 = 67.80, 67.80 x 6 = 406.80

Q12. 192→ $\frac{1}{4}$A =
$\frac{3}{5}B, \frac{3}{12}A = \frac{3}{5}B,\ 12 - 5u = 7u, 7u\ 112, 1u\ 112 \div 7 = 16, 16\ x\ 12 = 192$

Q13a. 2002 →1u →4290÷15 = 286, 10u – 3u = 7u, 7u 286 x 7 = 2002.

Q13b. 20% →3u→ 286 x 3 = 858, $\frac{858}{4290}$ x 100 = 20

Q14a. 64° Q14b. 18°→ ∠DHG→ $180° - 134° = 46°$, ∠DGH→ $180° - 46° - 116° = 18$, ∠DGF →$180° - 116° = 64$

Q15 $325.50→ J →700 x $\frac{40}{100}$ = 280, 280 x $\frac{107}{100}$ = 299.60, 70 x $\frac{107}{100}$ = 74.90, 74.90 + 299.60 = 374.50, $700 - 374.50 = 325.50$

Q16. $4.05 →3kg = 3000g, 3000 ÷ 750 =4, SP→ 4x2.60=10.40, 24÷4=6, A → 6 x 4.65 = 27.90, 10.40 +27.90=38.30, 46.40 – 38.30 = 8.10, 8.10÷2 = 4.05

Q17. 181kg→ 5u→ 330 – (85 x 2) = 330 -170=160, 1u →160 ÷ 5 =32, 32 x 3 =96, 96 +85 = 181

Q18. 220.5cm² →84 ÷16 = 5.25, 5.25 x 2 = 10.5, 5.25 x 4 = 21, X 0.5 x 21 x 10.5 = 110.25, 0.5 x 21 x 5.25 = 55.125, 55.125 x 2 = 110.25, 110.25 + 110.25 = 220.5

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