Name: _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2012 Continual Assessment Two

Booklet A

23rd August 2012

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 8 printed pages including the cover pages.

Section A: (16 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

---

1. Which of the following numbers is 26 700 when rounded off to the nearest 100?

   1) 26 649

   2) 26 651

   3) 26 753

   4) 26 788

2. What is the value of the digit 6 in 86.549?

   1) 60 ones

   2) 60 tens

   3) 600 tenths

   4) 600 hundredths

3. Emily had some stamps. She shared the stamps equally amongst some friends. If she gave each friend 4 stamps, she would have 3 stamps left over. If she gave each friend 5 stamps, she would be short of 5 stamps. How many stamps did she have?

   1) 8

   2) 15

   3) 20

   4) 35

4. What is the missing decimal in the number pattern?

9.03, 12.033, 15.036, ___?___, 21.042, 24.045

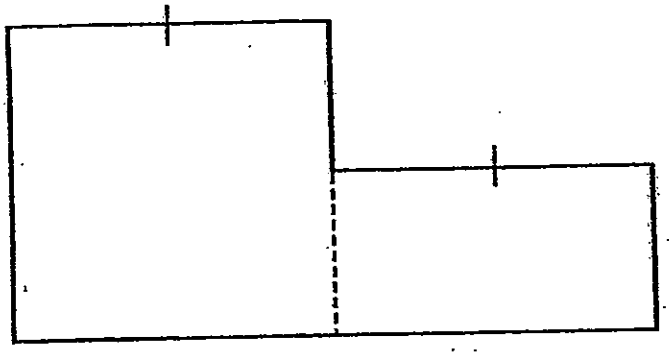
1) 18.039

2) 18.062

3) 18.066

4) 18.336

5. The figure below is not drawn to scale. It is made up of a rectangle and a square. The area of the square is 144 cm^2. The length of the square is twice the breadth of the rectangle. Find the area of the whole figure.



1) 72 cm^2

2) 216 cm^2

3) 648 cm^2

4) 792 cm^2

6. How many eighths are there altogether in $3\frac{3}{4}$?

1) 6

2) 9

3) 24

4) 30

7. What is the missing number in the box ?

$$\frac{10}{12} = \frac{\boxed{?}}{42} = \frac{60}{72}$$

1) 30

2) 35

3) 40

4) 48

8. Find the difference between 4 and the sum of $\frac{1}{11}$ and $\frac{1}{3}$.

1) $\frac{8}{33}$

2) $\frac{14}{33}$

3) $3\frac{19}{33}$

4) $3\frac{25}{33}$

9. Express 2.36 as a mixed number in the simplest form.

1) $2\frac{18}{50}$

2) $2\frac{19}{50}$

3) $2\frac{9}{25}$

4) $2\frac{8}{25}$

10. Mrs Mok went to the market and bought $1\frac{1}{7}$ kg of prawns and $3\frac{7}{10}$ kg of fish. How much seafood did she buy altogether?

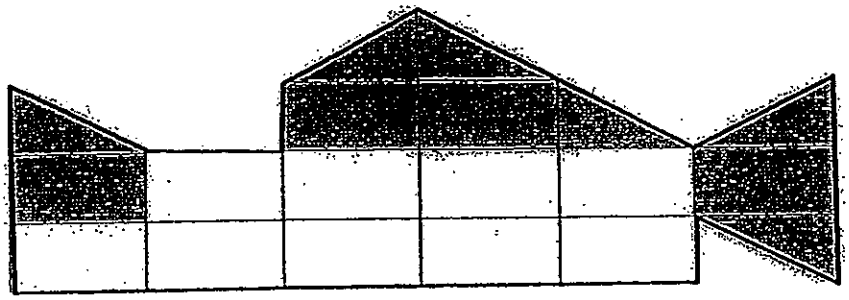
1) $2\frac{3}{10}$kg

2) $2\frac{4}{7}$ kg

3) $4\frac{17}{70}$kg

4) $4\frac{59}{70}$ kg

11. How many more rectangles must be shaded so that $\frac{5}{8}$ of the figure is shaded?

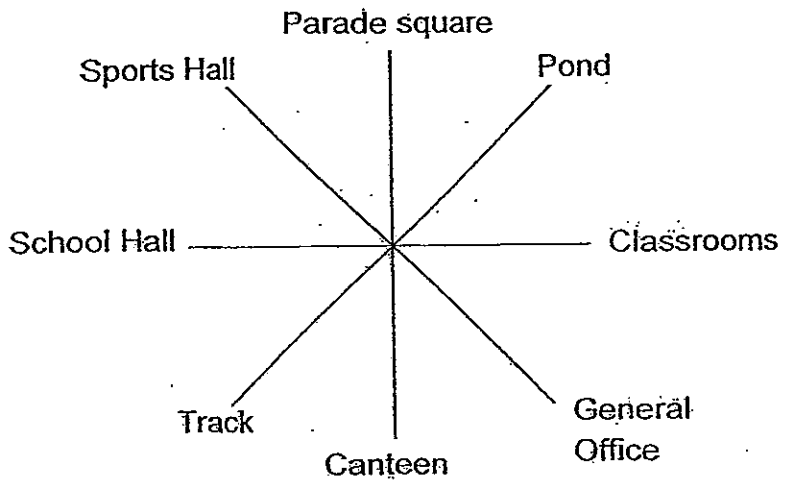


1) 3
2) 6
3) 7
4) 10

12. $7.149 = 7 + \frac{1}{10} + \frac{\boxed{?}}{1000}$

1) 4
2) 9
3) 49
4) 149

13. Camellia turned through an angle of 225° in the clockwise direction and faced the pond. Where was she facing at first ?



1) Canteen

2) Classrooms

3) School hall

4) Parade square

14. At a gymnastics competition, $\frac{5}{9}$ of the competitors are girls. There are 156 fewer boys than girls. How many competitors were there at the competition?

1) 39

2) 195

3) 351

4) 1404

15. Mr Ahmad had 100 cartons of drinks. There were 50 packets of drinks in each carton. He sold 1700 packets of drinks on Monday and 26 cartons of drinks on Tuesday. He sold the remaining packets of drinks on Wednesday. How many packets of drinks did he sell on Wednesday?

1) 2000

2) 2300

3) 2700

4) 3000

16. Devan's age is a multiple of 8 now. In 4 years' time, his age will be a multiple of 11. How old is he now?

1) 40

2) 44

3) 48

4) 88

- END OF BOOKLET A -

Name : _____ ( )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL(PRIMARY)

Primary 4 Mathematics

2012 Continual Assessment Two

Booklet B

23rd August 2012

Booklet A :	**/ 32**
Booklet B :	**/ 68**
Total :	**/ 100**

_____

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 17 printed pages including the cover page.

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. Show all workings clearly.

Do nc write this space

17. Express $4\frac{6}{8}$ as a decimal.

Ans : _____

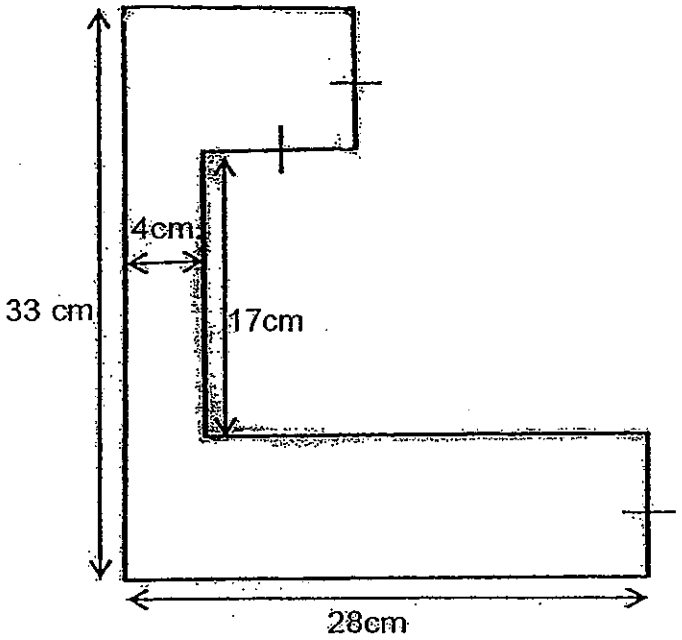
18a. Round off 59.995 to 2 decimal places.

b. 41 tenths 34 hundredths and 5 thousandths as a decimal is _____.

Ans : a) _____

b) _____

19. Find the perimeter of the figure below. (The figure is not drawn to scale and all lines meet at right angles.)



Ans : _____ cm

20. Arrange the decimals in ascending order.

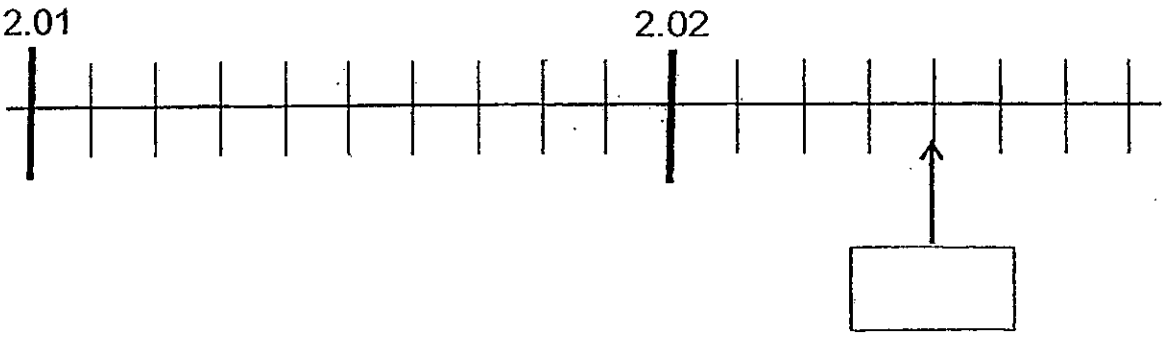
6.49, 6.422, 6.4, 6.469, 6.402

Ans : _____, _____, _____, _____, _____

Do
writ
in th
spa

31

21. What is the missing decimal in the box?



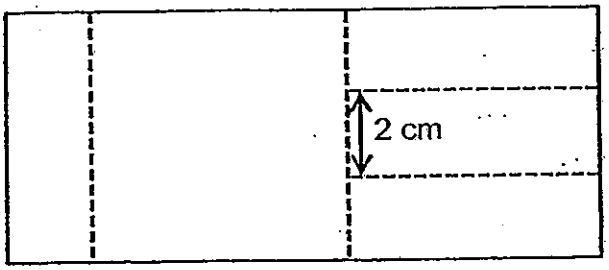
Ans : _____

22. Jenny has a box of erasers that can be shared equally among 2, 3 or 5 of her friends. What is the smallest possible number of erasers in the box?

Ans : _____

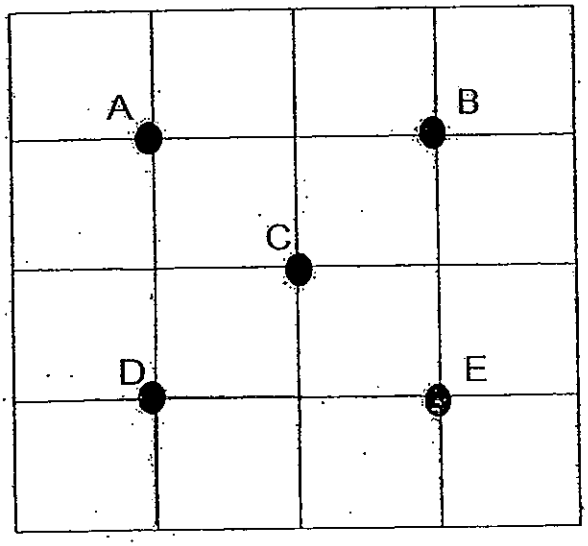
Do
writ
in th
spa

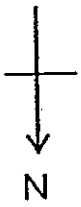
23. The figure below is made up of a square and 4 identical rectangles. Find the area of the whole figure.



Ans : _____ cm^2

24. C is south-west of _____.





Ans : _____

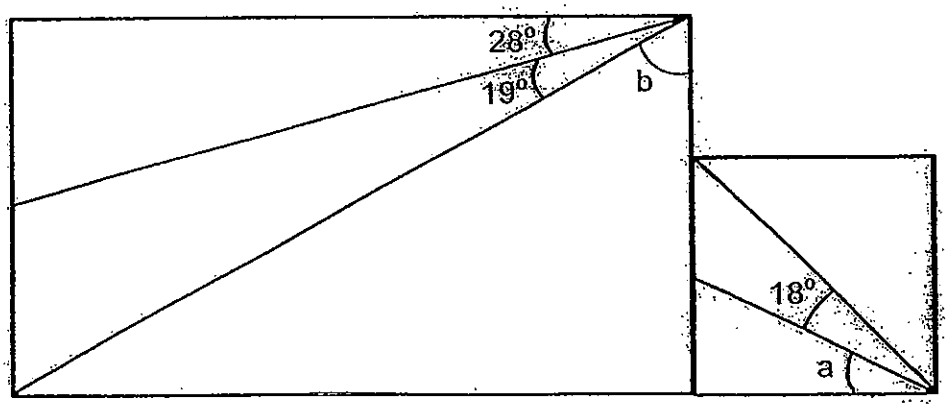
Do n
write
in th
spac

33

25. Terry wants to buy a bicycle that costs $894. He has $286 in savings. What is the amount that Terry has to save every month in order to buy the bicycle in 8 months' time?

Ans : $ _____

26. The figure below shows a rectangle and a square. Find the sum of ∠a and ∠b.



Ans : _____ °

27. Affandi has a piece of wire measuring 340 cm. He used it to make two squares of side 29 cm. How much wire did he have left?

Ans : _____ cm

Do n
write
this
space

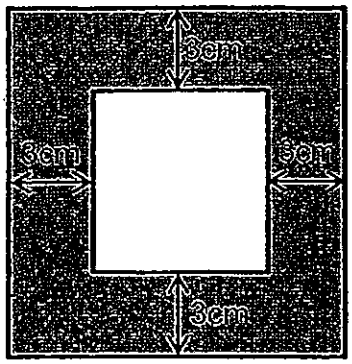
28. Siti bought 2 computers and 8 thumb drives as prizes for a lucky draw. What was the total amount she spent?

Item	Price
Computer	$1010 each
Thumb drive	1 for $14

Ans : $ _____

35

29. The figure below is made up of two squares. The area of the bigger square is 121 cm^2. Find the shaded area of the figure.



Ans : _____ cm^2

30.  and  represents whole numbers.

If  x  = 72, what is the largest possible value of

 +  ?

Ans : _____

31. 93 pupils signed up for a 100-m sprint event. If 8 pupils participated in each of the heats, what is the minimum number of heats needed for all the pupils to complete the event?

Ans : _____

32. Form the smallest possible mixed number with the digits 5, 3 and 2.

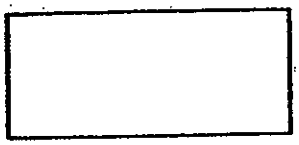
Use each digit once only.

Ans : _____

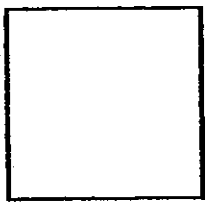
Do no write i this space

37

33. The perimeter of the rectangle and the square is the same. What is the breadth of the rectangle?



11 cm



9 cm

Ans : _____ cm

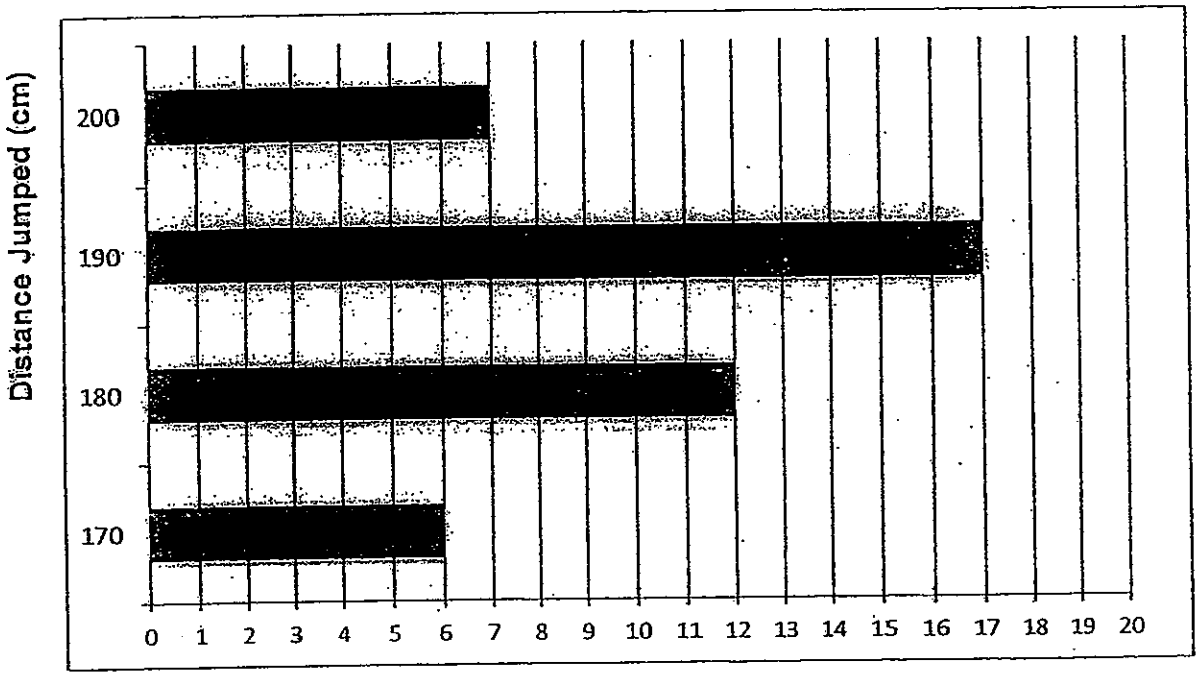
34. Isnardi was given a rectangular metal sheet, 20 m by 15 m. He was asked to cut out 3-m squares from it. What is the maximum number of 3-m squares he is able to cut out?

Ans : _____ 3-m squares

Do n write this spac

Study the graph below carefully. Use it to answer questions 35 and 36.

The bar graph shows the greatest distance a group of boys were able to jump during their annual physical fitness test.



35. What fraction of the boys were able to jump at least 180 cm ?

Ans : _____

36. $\frac{5}{6}$ of the boys who had jumped 180 cm wear spectacles. How many more boys, who had jumped 180 cm, wore spectacles?

Ans : _____

Do no write i this space

39

Section C: (28 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

Do no write i this space

37. There were some fish in a fish tank. $\frac{4}{11}$ of them were goldfish, 36 of them were angelfish and the remaining 62 fish were guppies. How many fish were there in the fish tank altogether?

Ans : _____ [3]

38. Kai Ting has 681 cupcakes. She sold 309 cupcakes and shared the rest of the cupcakes equally with 3 friends. How many cupcakes did each of them receive?

Ans : _____ [3]

39. Crate A contained 6 times as many clocks as Crate B. When 1215 clocks were transferred from Crate A to Crate B, both crates had the same number of clocks. How many clocks were there in both crates?

Do nc write this space

Ans : _____ [3]

40. 3 identical guitars and 2 identical grand pianos cost $ 32 195. 1 such guitar and 1 such grand piano cost $ 15 965. How much will 2 such grand pianos cost?

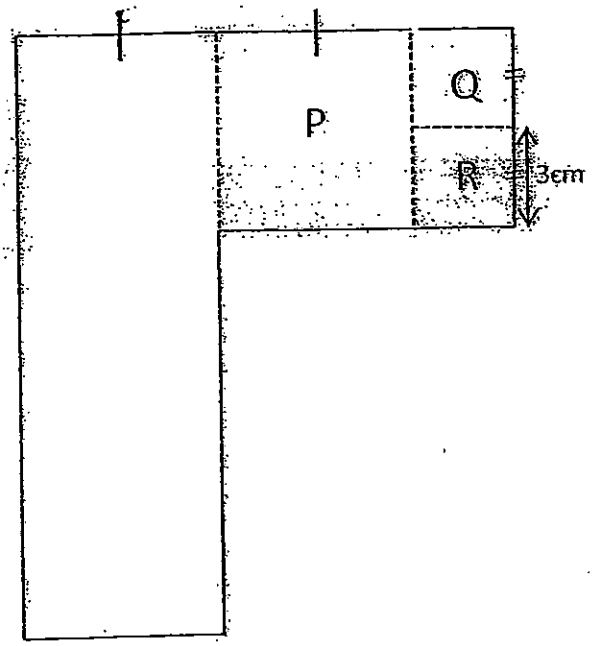
Ans : _____ [3]

41. At a fruit stall, a mango is priced at $3. For every 6 mangoes bought, 2 mangoes would be given away free. If Aunt Aishah spent a total of $ 1293 on mangoes, how many mangoes did she receive in all?

Do r write this spac

Ans : _____ [4]

42. The figure below is made up of a rectangle and 3 squares P, Q and R. The length of the rectangle is thrice the length of P. Find the area of the figure.



Do not write in this space

Ans : _____ [4]

43. The table below shows the number of bottles of milk produced on a farm. Use the table to answer (a) and (b)

Do not write in this space

Animal	Number of animals	Number of bottles of milk produced by each animal	Total number of bottles of milk
Cow	30	8	
Goat	50		
		TOTAL	490

a) How many bottles of milk does each goat produce?

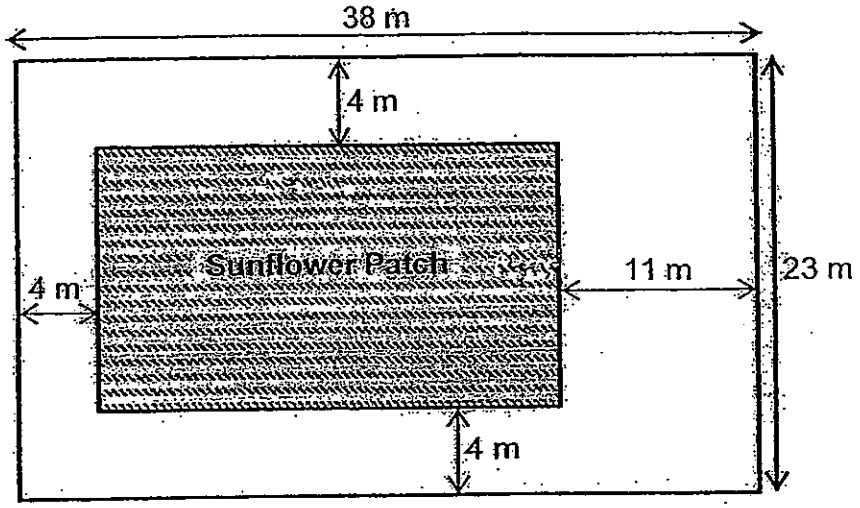
b) $\frac{1}{3}$ of the cows and $\frac{2}{5}$ of the goats were sold to another farm. The remaining animals continued to produce milk that was sold at \$2 per bottle. How much money was collected from the sale of all the milk?

Ans : a) _____ [2]

b) _____ [2]

44. Mr Johnson marked out an area in his rectangular garden for growing sunflowers. He wants to fence up his sunflower patch. If 1 metre of fencing costs $27, how much will it cost Mr Johnson to fence up the entire sunflower patch?

Do not write in this space



Ans: _____ [4]

- END OF PAPER -

ANSWER SHEET

EXAM PAPER 2012

SCHOOL : CHIJ
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : CA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
2	4	4	1	2	4	2	3	3	4	1	3	1	4	1	1

17) $4_{6/8} \times 125$
$= 4_{750/1000} = 4.75$

18)a) $59.995 \approx 60.00$
b) $4.10 + 0.34 + 0.005$
$= 4.445$

19) $33 - 17 = 16$
$16 \div 2 = 8$
$(28 \times 2) + (33 \times 2)$
$56 + 66 = 122$
$122 + (8 \times 2) = 138cm$

20) 6.4 , 6.402, 6.422, 6.469, 6.49

21) 2.024

22) 2 : 2,4,6,8,10,12,14,16,18,20,22,24,26,28,(30)
3 : 3,6,9,12,15,18,21,24,27,(30)
5 : 5,10,15,20,25,(30),35,40,45,50

23) $6 + 6 + 2 = 14$
$14 \times 6 = 84cm^2$

24) D

25)894 – 286 = 608
609 ÷8 = $76

26)28 ° +19° = 47°
90° – 47° = 43°
90÷2 = 45°
45° – 18° = 27°
27° + 43° = 70°

27)29 x 8 = 232
340 – 232 = 108cm

28)$1010 x 2 = $2020
$2020 + $112 = $2132

29)11 x 11 = 121
3 + 3 = 6
11 – 6 = 5
5 x 5 = 25
121 – 25 = 96cm2

30)□ x □ = 72
○ + ○
1 + 72 = 73

31)93÷8 = 11 R5
11 + 1 = 12

32)23/5 →smallest

33)9 x 4 = 36
11 + 11 = 22
36 – 22 = 14
14÷2 = 7cm

34)20÷3 = 6 R2
15÷3 = 5
6 x 5 = 30 3-m squares

35)17 + 12 + 7 + 6 = 29 + 13 = 42
17 + 12 + 7 = 36
Boys able to jump at least 180cm→36/42
36÷ 2 = 18
42÷ 2 = 21
18 ÷3 = 6
21 ÷3 = 7

36)5/6 of 12 = 10 (spec)
12 – 10 = 2 (not wearing spec)
10 – 2 = 8

37)1 – 4/11 = 7/11
7/11→36 + 62 = 98
1/11→98÷7 = 14
1/11→ 14 x 11 = 154
There were 154 fish in the fish tank altogether.

38)681 – 309 = 372
372÷4 – 93
Each of them received 93 cupcakes.

39)1215÷5 = 243
7 + 7 = 14
243 x 14 = 3402
There are 3402 clocks in both crates.

40)3 guitar + 2 grand pianos→$32195
1 guitar + 1 grand piano→$15965
2 guitar + 1 grand piano→$32195 – $15965 = $16230
1 guitar→$16230 – $15965 = $265
1 grand piano→$15965 – $265 = $15700
2 grand pianos→$15700 x 2 = $31400
2 such grand pianos cost $31400

41)1293÷3 = 431 (bought)
431÷6 = 71 R5
71 x 2 = 142
431 = 142 = 573
She received 573 mangoes in all.

42)Q and R→3 x 3 = 9
9 x 2 = 18
P→3 + 3 = 6
6 x 6 = 36
Rectangle→6 x 3 = 18
18 x 6 = 108
Total→108 + 36 + 18 = 162
The area of the figure is 162cm2

43)a)30 x 8 = 240
490 – 240 = 250
250÷50 = 5
Each goat produces 5 bottles of milk.

b)1/3 x 30 = 10
30 – 10 = 20 (left)
2/5 x 50 = 20
50 – 20 = 30 (left)
20 x 8 = 160
30 x 5 = 150
150 + 160 = 310
310 x 2 = 620
$620 was collected from the sale of the milk.

44)38 – 4 – 11 = 23 (L)
23 – 4 – 4 = 15 (B)
23 + 23 + 15 + 15 = 76
76 x 27 = 2052
It would cost $2052 for Mr Johnson to fence up the entire sunflower patch.