b

Name: _____( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 1

Booklet A

1 March 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

<u>INSTRUCTIONS TO CANDIDATES</u>
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 <u>8</u> printed pages including the cover page.

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, 4) on the Optical Answer Sheet. (20 marks)

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1. In 4 629 018, which digit is in the ten thousands place?

    1) 6

    2) 2

    3) 9

    4) 4

2. In 9 586 730, the value of the digit 9 is _____.

    1) 9 x 1000

    2) 9 x 10 000

    3) 9 x 100 000

    4) 9 x 1 000 000

3. Express $1\frac{7}{20}$ as a decimal.

    1) 1.72

    2) 1.70

    3) 1.35

    4) 1.27

4. A television set costs $2549. Round off this cost to the nearest hundred dollars.

   1) $2000

   2) $2500

   3) $2600

   4) $3000

5. 3 tens, 1 tenth and 5 thousandths is _____.

   1) 30.15

   2) 30.105

   3) 3.15

   4) 3.105

6. In 7 368 721, what is the sum of the values of the digits 7?

   1) 700

   2) 700 700

   3) 7 000 000

   4) 7 000 700

7. Arrange the following decimals from the largest to the smallest.

1) 6.49, 6.94, 6.409, 6.904

2) 6.94, 6.904, 6.49, 6.409

3) 6.409, 6.49, 6.904, 6.940

4) 6.904, 6.49, 6.409, 6.94

8. When rounded off to the nearest dollar, a carton of mandarin oranges cost $36. Which one of the following could be the actual cost of the carton of mandarin oranges?

1) $35.25

2) $35.85

3) $36.55

4) $36.90

4

9. What is the value of 70 - 18 ÷ (2 x 3) + 7?

   1) 66

   2) 74

   3) 190

   4) 610

10. Mrs Ong bought some lollipops. $\frac{3}{4}$ of the lollipops were blueberry-flavoured. The remaining 60 lollipops were strawberry-flavoured. How many blueberry-flavoured lollipops did Mrs Ong buy?

    1) 45

    2) 80

    3) 180

    4) 240

11. Which one of the following fractions is closest to 1?

1) $\dfrac{9}{8}$

2) $\dfrac{12}{5}$

3) $\dfrac{8}{7}$

4) $\dfrac{3}{11}$

12. A group of 3 boys and 7 girls shared a box of cupcakes. Each of them took 4 cupcakes. There were 15 cupcakes left. Which one of the number sentences below shows the total number of cupcakes in the box at first?
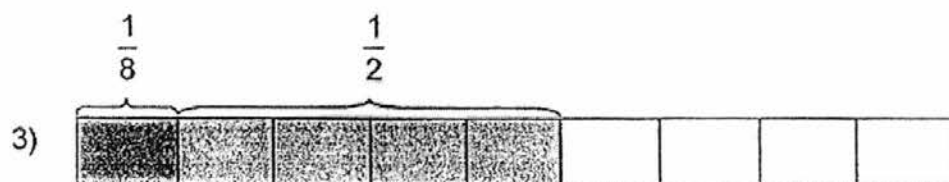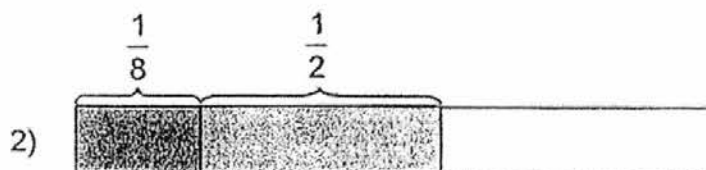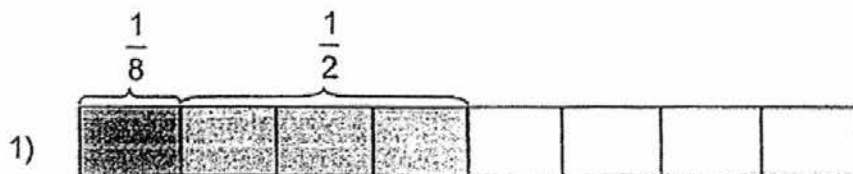
1) $3 + 7 \times 4 + 15$

2) $(3 + 7) \times 4 + 15$

3) $3 + 7 \times 4 - 15$

4) $(3 \times 4) + (7 \times 4) - 15$

13. Which model shows the sum of $\frac{1}{8}$ and $\frac{1}{2}$?

$\frac{1}{8}$ $\frac{1}{2}$

1)

$\frac{1}{8}$ $\frac{1}{2}$

2)

$\frac{1}{8}$ $\frac{1}{2}$

3)

$\frac{1}{8}$ $\frac{1}{2}$

4)
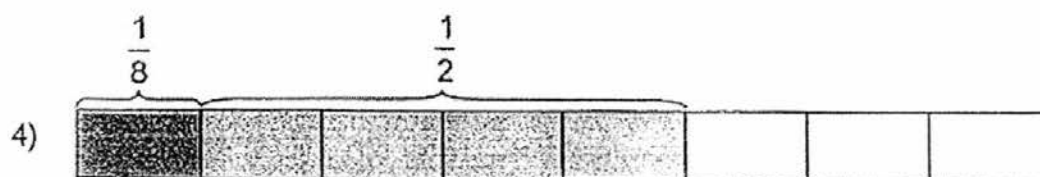
14. There are 420 visitors at an exhibition. $\frac{5}{6}$ of them are locals. Among the locals, there are 209 non-Chinese. The rest are Chinese. How many of the locals are Chinese?

1) 350

2) 295

3) 141

4) 125

15. Adam and Kelvin are older than Marie. Adam is younger than Violet and Kelvin is older than Violet. List the children from the oldest to the youngest.

1) Kelvin , Violet , Adam , Marie

2) Marie , Adam , Violet , Kelvin

3) Adam , Violet , Marie , Kelvin

4) Kelvin , Adam , Marie , Violet

End of Booklet A

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 1

Booklet B

1 March 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

INSTRUCTIONS TO CANDIDATES
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This booklet consists of 8 printed pages including the cover page.

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 six million, five hundred and eight thousand in numerals.

Ans : _____

17. Find the value of 123 x 40.

Ans : _____

18. Moira had 3 similar swiss rolls. She ate $\frac{2}{7}$ of a swiss roll. What fraction of the swiss rolls were left?

Ans : _____

2
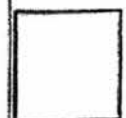
19. Simone had 5 twenty-cent coins and 7 ten-cent coins. What fraction of the coins were ten-cent coins?

Ans :_____

20. Find the value of $\dfrac{1}{6} + \dfrac{5}{8}$. Give your answer in its simplest form.

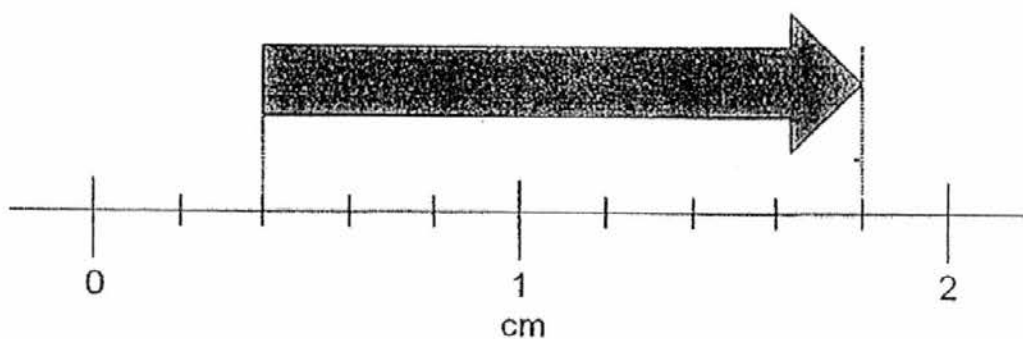Ans :_____

21. Find the product of 10.13 and 6.

Ans :_____

3
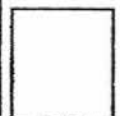
22. What is the missing number in the number pattern below?

25 000 , 24 450 , □ ? , 23 350 , 22 800

Ans : _____

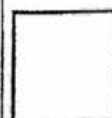23. What is the length of the arrow as shown in the figure?

Ans : _____ cm

24. $0.65 = \dfrac{13}{\boxed{?}}$

What is the missing denominator?

Ans : _____

4

25. Study the pattern below.

$$\frac{1}{3} - \frac{1}{4} = \frac{1}{12}$$

$$\frac{1}{4} - \frac{1}{5} = \frac{1}{20}$$

$$\frac{1}{5} - \frac{1}{6} = \frac{1}{30}$$

What is the value of $\frac{1}{29} - \frac{1}{30}$?

Ans : _____

5

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.
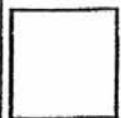
(10 marks)

26. In the tessellation shown below, shade the 2 unit shapes that are tessellated incorrectly.
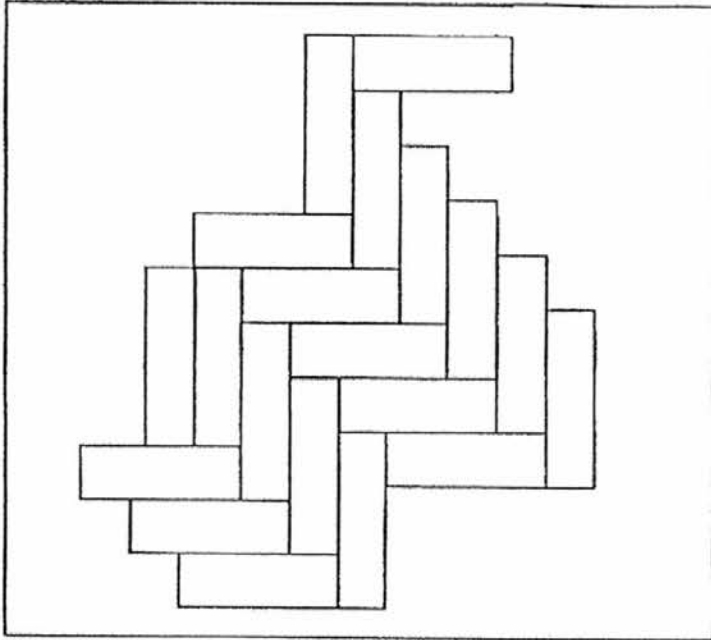
27. When a number is divided by 80, the quotient is 800. What is the quotient when the same number is divided by 20?

Ans : _____

28. Xin Ling and Wei Ting bought a pack of rice to make sushi. Xin Ling used 1.34 kg of the rice. Wei Ting used 0.5 kg less rice than Xin Ling. How much of the rice did they use altogether?

Ans : _____ kg

29. The table below shows the number of Primary 5 girls participating in various sports for a school event. Each girl participates in only one sports.

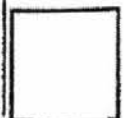| Game	Number of girls
Basketball	20
Squash	45
Golf	30
Volleyball	55

$\frac{3}{10}$ of the total number of girls participate in _____ .

Ans : _____

7

30. Mrs Koh is now 58 years old and Corrine is 28 years old. How many years ago was Mrs Koh 6 times as old as Corrine?

Ans : _____

End of Paper 1

Name: _____ ( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 2

1 March 2016

Paper 1		40
Paper 2		60
Total Marks		100

Parent's/Guardian's Signature

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

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

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)

Do not write in this space.

1. A total of 476 black and white paper clips were packed into 14 boxes equally. Each box contained 13 black paper clips. How many white paper clips did the 14 boxes contain altogether?

Ans : _____

2. The table below shows the time taken by 5 swimmers at a competition.

Swimmer	Time taken
Miguel	1 min 9 s
Nestor	64 s
Owen	62 s
Parker	1 min 1 s
Quintus	63 s

Randy was 7 seconds slower than the fastest swimmer. How long did Randy take to complete the competition?

Ans : _____ s

3. Ugenie's monthly salary was \$3905. She saved $\frac{6}{11}$ of it each month. How much did she save in half a year?
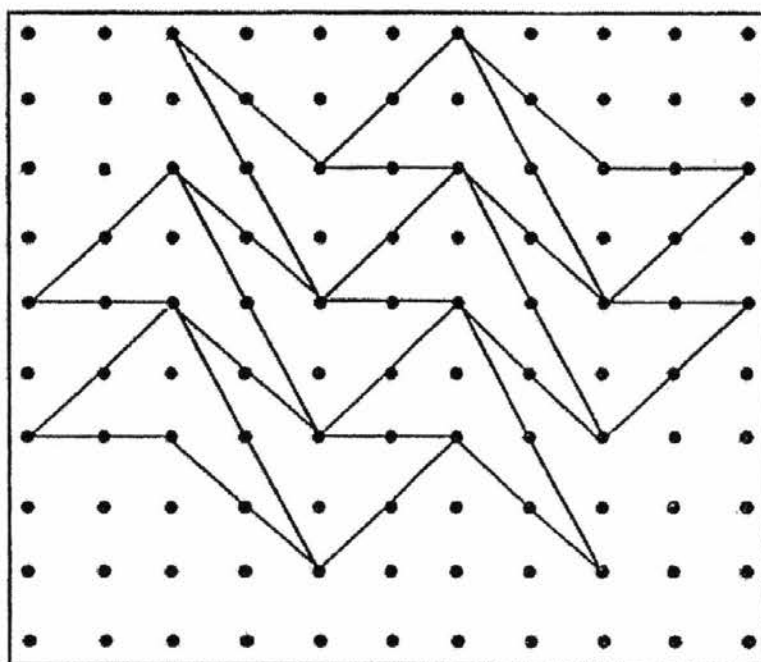
Ans : \$ _____

4. Keziah read a book from Tuesday to Thursday. Every day, she read 10 more pages than the day before. She read 84 pages on Thursday. How many pages of the book did Keziah read from Tuesday to Thursday altogether?

Ans : _____

3

5. The pattern in the box below shows part of a tessellation. Extend the tessellation by drawing two more unit shapes in the space provided in the box.

4

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 the brackets (   ) at the end of each question or part-question.

(50 marks)

---

6. Harrison has $209 more than Marx and $315 less than Jacques. Marx and Jacques have a total amount of $2998. How much money does Harrison have?

Ans : _____ (3 m)

5

7. At first, Flask X and Flask Y contained water as shown below.

Flask X   Flask Y

Some water from Flask Y was poured into Flask X with no water spilling over.

In the end, there was as much water in Flask X as in Flask Y. How much water

was poured from Flask Y into Flask X?

Ans : _____ (3 m)
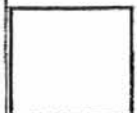
8. Fermont spent $\frac{1}{10}$ of his bonus on a kettle. Then he spent another $322 on a toaster. He had $560 left. How much did Fermont spend on the kettle?

Ans : _____ (3 m)

7

9. Lycea had some beads. She used $\frac{1}{8}$ of the beads on Saturday and $\frac{1}{4}$ on Sunday. Then her aunt gave her the same number of beads as what she had left. Lycea had a total of 1470 beads in the end. How many beads did her aunt give her?
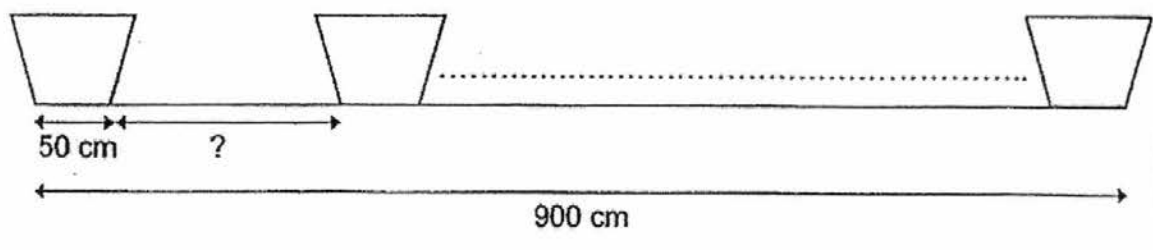
Ans : _____ (3 m)

8
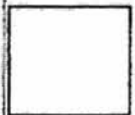
10. 6 similar flower pots with a base of 50 cm each, are placed from one end to the other end of a corridor at an equal distance apart, as shown in the figure. The total length of the corridor is 900 cm. What is the spacing between each flower pot?
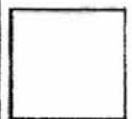
50 cm   ?

900 cm

Ans : _____ (3 m)

9

11. A box filled with 200 similar thermometers has a total mass of 37 kg. The same box filled with 120 such thermometers has a total mass of 23.8 kg. What is the mass of the empty box?

Ans : _____ (4 m)

10

12. There were some orange and blue markers in a box. The number of orange markers was $\frac{2}{9}$ of the total number of markers. There were 1080 fewer orange markers than blue markers. $\frac{1}{3}$ of the orange markers had dried up. How many orange markers had dried up?

Ans : _____ (4 m)

11

13. The table below shows the charges at a carpark of Good Bargain Shopping Mall.

First hour	$3.50
Every additional $\frac{1}{2}$ hour or part thereof	$2.50

Mrs Hong parked her van at Good Bargain Shopping Mall from 3 p.m. to 8.45 p.m. How much did she have to pay altogether?
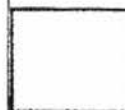
Ans : _____ (4 m)

12

14. Mr Seeto wanted to buy 41 toys for his class. Every toy cost the same amount of money. However, he realized that he was short of $16. He bought 19 toys and had $50 left. How much money did he have actually?
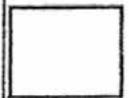
Ans : _____ (4 m)

15. Dwayne attended a talk. In the auditorium, he was led to the fifth row from the stage. There were 17 seats to his left and 10 seats to his right. There were 30 rows behind Dwayne. Every row had the same number of seats. What is the total number of seats in the auditorium?

Ans : _____ (4 m)

16. There were some pears, guavas and mangoes. The number of pears was three times of the number of guavas. The total number of pears and guavas was half of the number of mangoes. There were 180 fruits altogether.
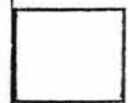
(a) What fraction of the fruits were mangoes? Give your answer in its simplest form

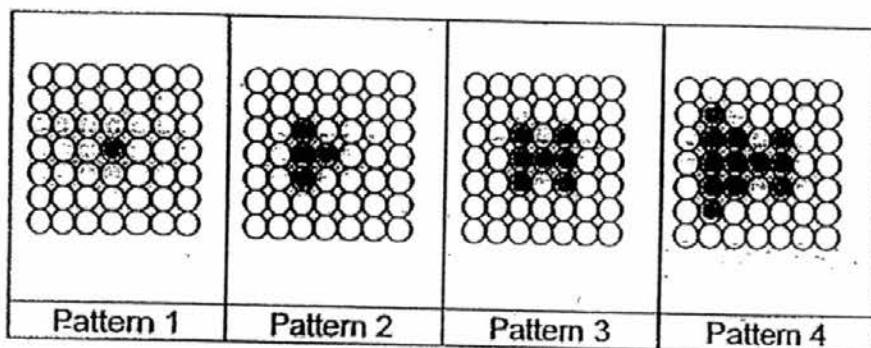(b) All the mangoes were sold at 6 for $20. How much money was collected from the sale of the mangoes?

Ans : (a) _____ (1 m)

(b) _____ (4 m)
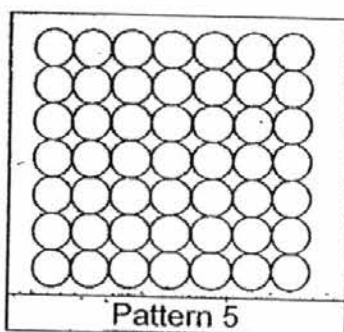
17. The following patterns can be made by shading some circles. Study them carefully.

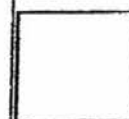| Pattern 1 | Pattern 2 | Pattern 3 | Pattern 4 |

(a) Shade the circles to show what Pattern 5 will look like. (2 m)

Pattern 5

(b) If this pattern were to continue, how many circles must be shaded in Pattern 11?

Ans : (b) _____ (3 m)

16

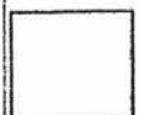18. Yummy Café was having a special promotion for children's meals.

> **SPECIAL PROMOTION!**
>
> Order 3 sets of children's meal & receive
>
> 1 set of children's meal free!!!

Mrs Julia wanted to invite 30 children to a party at Yummy Cafe. Each set of children's meal cost $10.75. What was the minimum amount that Mrs Julia had to pay for the 30 children?

Ans : _____ (5 m)

EXAM PAPER 2016 (P5)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : CA1

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

16) 650 8000   17) 4920   18) $2_{5/7}$ 19) 7/12   20) 19/24

21) 60.78   22) 23900   23) 1.4CM   24) 20   25) 1/870

26)

27) 3200   28) 2.18KG
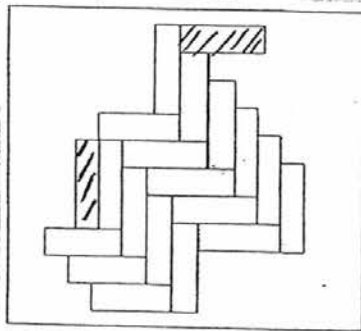
29) Squash   30) 22

Paper 2

1) $476 \div 14 = 34$

$34 - 13 = 21$

$21 \times 14 = 294$

2) 1min 1s → 61s

$61 + 7 = 68s$

3) $\$3905 \div 11 = \$355$

$\$355 \times 6 = \$2130$

$\$2130 \times 6 = \$12780$

4) Thur → 84

Wed → $84 - 10 = 74$

Tue → $74 - 10 = 64$

$84 + 74 + 64 = 222$

5)
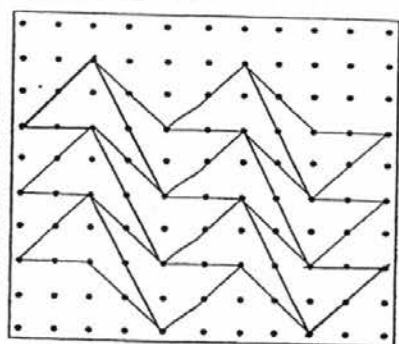
6) J+M = 2998

$209 + 315 = 524$

2u → $2998 - 524 = 2474$

1u → $2474 \div 2 = 1237$

H → $1237 + 209 = \$1446$

7) 1.6L – 0.6L = 1L

  1L ÷ 2 = 0.5L

8) 9u → 560 + 322 = 882

  1u → 882 ÷ 9 = $98

9) 10u → 1470

  1u → 1470 ÷ 10 = 147

  5u → 147 x 5 = 735 beads

10) 6 pots → 50 x 6 = 300

  900 – 300 = 600

  600 ÷ 5 = 120

  6 – 1 = 5

  Ans: 120cm

11) 200 – 120 = 80

  37.00 – 23.80 = 13.20

  13.20 ÷ 80 – 0.165

  0.165 x 120 = 19.80

  23.80 – 19.80 = 4kg

12) 7u – 2u = 5u

  Blue markers → 7u

  Orange markers → 2u

  1080 → 5u

  1u → 1080 ÷ 5 = 216

  Orange → 216 x 2 = 432

  432 ÷ 3 = 144

13) 1h → $3.50

   5 h 45 min − 1h = 4 h 45 min

   4 h ÷ ½ h = 8

   $3.50 + $2.50 x 10 = $28.50

14) $107

15) 17 + 1 + 10 = 28

   28 x 35 = 980 seats

16) 180 ÷ 12 = 15

   15 x 8 = 120

   120 ÷ 6 = 20

   20 x 20 = 400

   a) 2/3

   b) $400

17) a)

Pattern 5
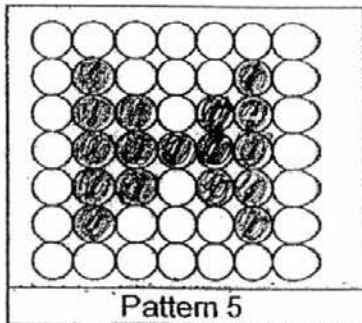
   b) 12+5+7+7+9+9+11+11=71

18) 32.25 x 7 = 225.75

   2 x 10.75 = 21.50

   225.75 + 21.50 = $247.25