RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2
2014

Your Score Out of 100 marks	
Parent's Signature	

Name : _____ ( ) Class: P4___

27th October 2014   MATHEMATICS   Duration: 1 h 45 min

SECTION A (25 marks)

Question 1 to 5 carry 1 mark each. Question 6 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 your answer (1, 2, 3 or 4) on the OAS provided.

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1. What is the value of the digit '5' in 9 254?

    (1) 5
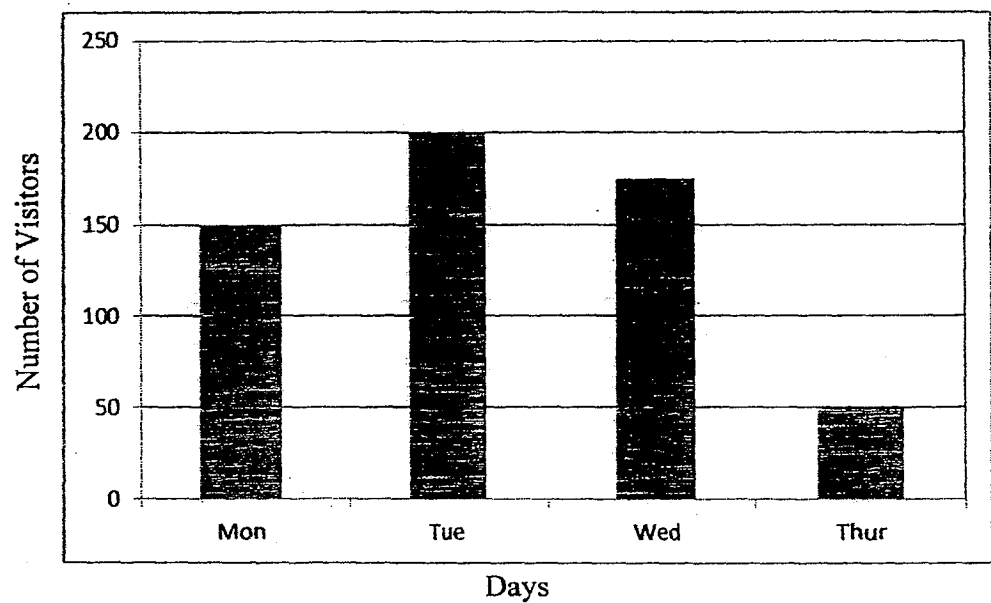   (2) 50
    (3) 500
    (4) 5 000

2. 28 570 = 20 000 + _____ + 300 + 70

    (1) 200
    (2) 500
    (3) 8 000
    (4) 8 200

3. Given that the perimeter of a square is 36 cm, find its length.

    (1) 6 cm
    (2) 9 cm
    (3) 12 cm
    (4) 18 cm

4. Express 5 m 8 cm in centimetres.

   (1) 58 cm

   (2) 508 cm

   (3) 5 008 cm

   (4) 50 005 cm

5. Study the graph below.

   Days

   Which day has the most number of visitors?

   (1) Mon
   (2) Tue
   (3) Wed
   (4) Thur

6. Write $5\dfrac{2}{25}$ as a decimal.

   (1) 5.8

   (2) 5.2

   (3) 5.08

   (4) 5.02

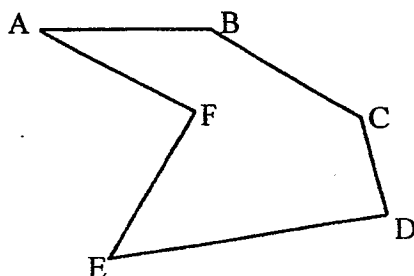7. Which of the following is **not** an equivalent fraction of $\frac{2}{3}$?

(1) $\frac{4}{6}$

(2) $\frac{6}{9}$

(3) $\frac{9}{12}$

(4) $\frac{12}{18}$

8. In the figure below, which 2 lines are perpendicular?

(1) AB and BC

(2) AB and ED

(3) AF and FE

(4) AF and BC

9. Which of the following mixed numbers is represented by the letter A in the number line shown below?

(1) $1\frac{1}{5}$

(2) $1\frac{4}{5}$

(3) $2\frac{1}{5}$

(4) $2\frac{4}{5}$

10. Round off 32.45 to the nearest whole number.

   (1) 30
   (2) 32
   (3) 33
   (4) 35

11. Which number below is 100 more than 2495?

   (1) 2395
   (2) 2496
   (3) 2505
   (4) 2595

12. Evette bought 2 files at $3.95 each and gave the cashier a $10 note. How much change would she get back?

   (1) $2.10
   (2) $2.95
   (3) $6.05
   (4) $7.90

13. In the figure below, all the lines meet at right angles. Find the perimeter of the figure.

4 cm

15 cm
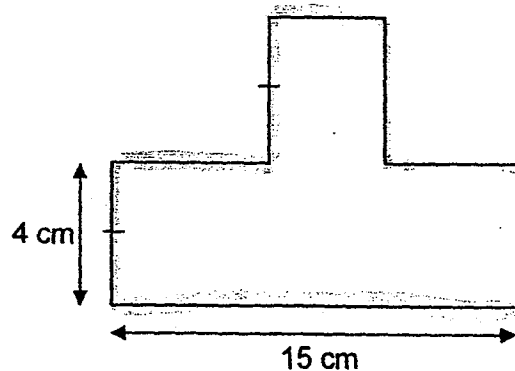
   (1) 43 cm
   (2) 46 cm
   (3) 60 cm
   (4) 120 cm

14. The table below shows the entrance fee to Adventure Cove.

	Weekday	Weekend	Package
Child	$17.50	$20	Family of 2 adults and 2 children $100
Adult	$28	$35	

Mr. and Mrs.Ong took their 2 children to Adventure Cove on Saturday. How much would the family save if they were to purchase the package deal?

(1) $9

(2) $10

(3) $100

(4) $110

15. Qi Xuan took 1h 55 min to travel from her house to the museum. She reached the museum at 10.50 a.m.. What time did she leave her house?

(1) 8.55 a.m.

(2) 9.55 a.m.

(3) 12.45 p.m.

(4) 8.55 p.m.

SECTION B (40 marks)

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

16.   Write the missing number in the number pattern below.
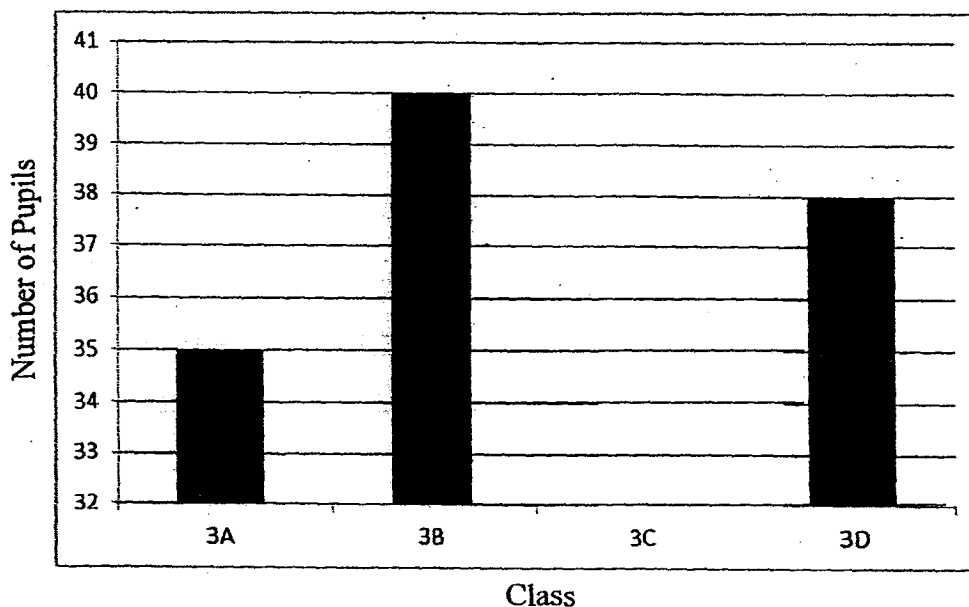
13 000, 12 400, 11 800, 11 200, _____, 10 000

Ans: _____

17.   Given that the area of Rectangle A is 150 cm^2, find the area of the shaded part.

16 cm

A

20 cm
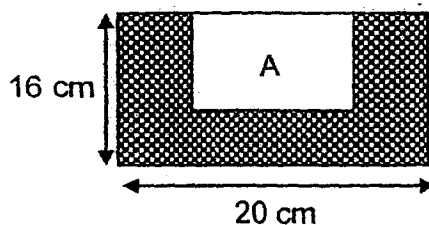
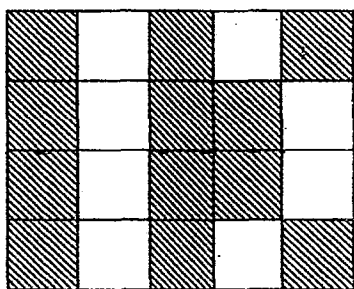Ans: _____ cm^2

18.   Study the graph below.
       Class 3C has 4 pupils fewer than Class 3B.
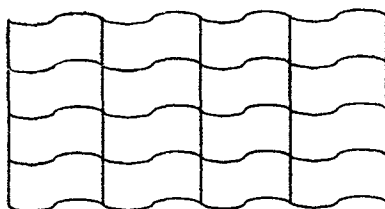   Complete the bar graph below for 3C.

19. The length of a stick is 1 m 55 cm.
The length of a pole is 3 times that of the stick. What is the length of the pole?
Express your answer in m and cm.

Ans: _____ m _____ cm

20. Draw a line of symmetry in the figure shown below.

21. Shade the unit shape of tessellation below.

22. Which two of the fractions below are smaller than $\frac{1}{2}$?

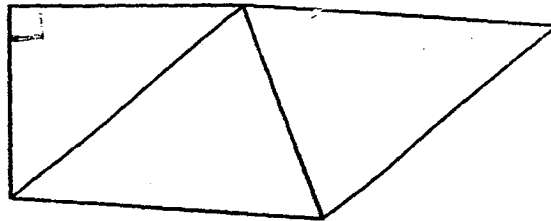$$\frac{2}{5} \ , \ \frac{3}{6} \ , \ \frac{4}{7} \ , \ \frac{4}{11}$$

Ans: _____ and _____

23. Arrange the following numbers from the smallest to the greatest.

$$\frac{3}{4} \;,\; 0.075 \;,\; 0.705$$

Ans: _____ , _____ ⟨ _____
    (smallest)   (greatest)

24. Study the figure below.
    Mark out the right angle in the figure.

25. Find the value of $\frac{3}{10} + \frac{17}{100}$.

Ans: _____

26. Round off 8255 to the nearest tens

Ans: _____

27. Two factors of 9 are 1 and 9. What is the other factor?

Ans: _____

28. The table below shows the number of boys and girls in 3 different classes. Find the values of **X** and **Y**.

Class	4A	4B	4C	Total
Boys	22	19	24	X
Girls	18	22	Y	58
Total	40	41	42	123

Ans: X _____

Y _____

29. What is 8 kg 500g x 8?

Ans:_____ kg

30. The time in Tokyo is 1h ahead of Singapore. The flight from Singapore to Tokyo takes 6h 50min. The plane took off at 00 30 Singapore time. What would be the time in Tokyo when the plane landed at Tokyo's airport? (Give your answer in 24h clock)
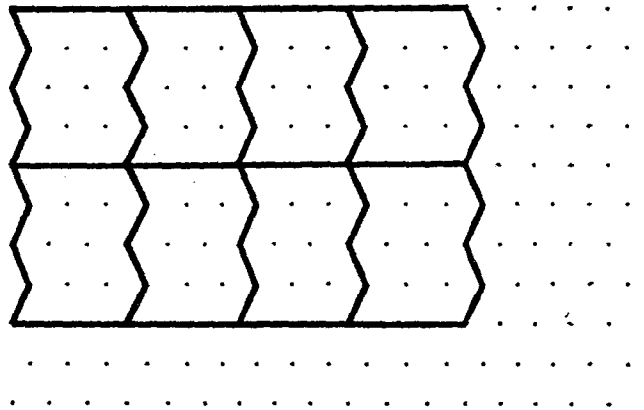
Ans: _____

31. Measure and write down the size of ∠x.

Ans: _____ °

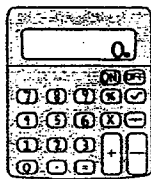32. Tessellate the figure below with 2 more unit shapes.
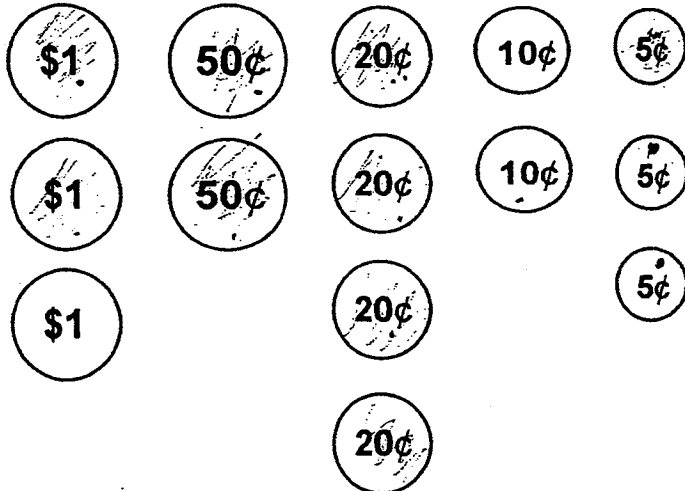
33. Find the value of 8.07 x 9.

Ans: _____

34. Find the product of 2 270 and 8.

Ans: _____

35. Meng Meng has the following coins in his wallet.
What is the __maximum__ number of coins needed to make up the exact amount to pay for the calculator?

$3.85

$1 $1 $1

50¢ 50¢

20¢ 20¢ 20¢ 20¢

10¢ 10¢

5¢ 5¢ 5¢

Ans: _____

SECTION C (35 marks)

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

36.   Mary has 552 stamps and Ali has 3 times as many stamps as Mary.
        Qing Han has half as many stamps as Ali.
        How many stamps does Qing Han have?

Ans: _____ [3]

37.   The line graph below shows the amount of water collected over some months.
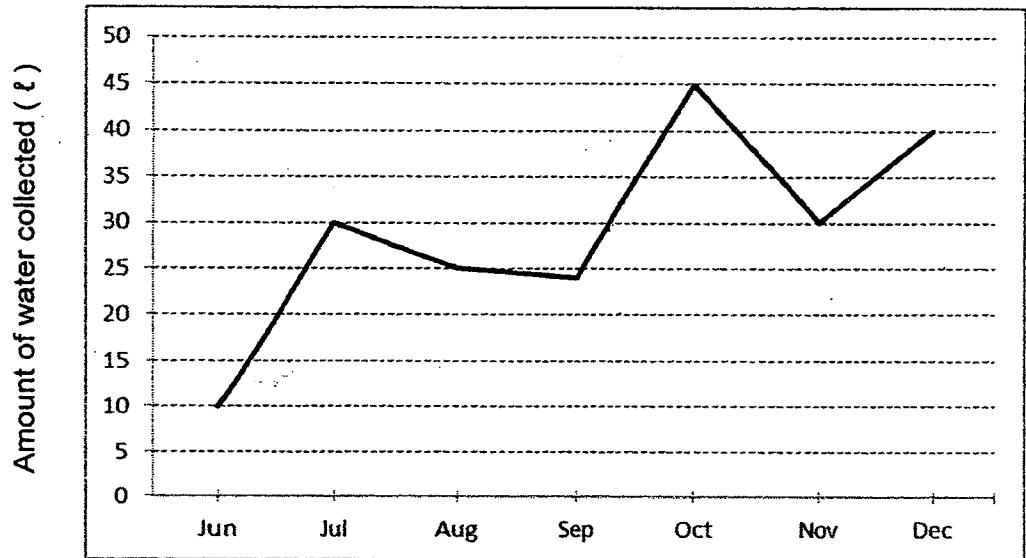
a) Which month has the least amount of water collected?

b) What is the difference in the amount of water collected between Jul and Oct?

Ans: a)_____ [1]

b)_____ [2]

38. The total mass of 5 packets of prunes and 6 packets of cherries is 4.63 kg. The mass of each packet of prunes is 0.35 kg.
Find the mass of each packet of cherries.

Ans: _____ [3]

39. The figure shows a rectangle of breadth 10 cm and 8 similar squares of side 2 cm. The area of the shaded part is 288 cm². What is the perimeter of the rectangle?

10 cm
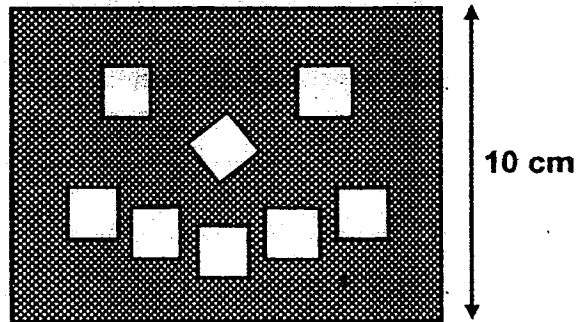
Ans: _____ [4]

40. Anita had some money at first.

She spent $\frac{1}{4}$ of her money on a dress and $\frac{1}{6}$ of her money on a coat.

She then gave $54 to her mother.

In the end, the amount of money she had left was twice the amount of money she spent on the coat.

What was the total cost of the dress and the coat?

Ans:_____ [4]

41.　　5 sticker albums and 3 pens cost $65.
　　　　5 sticker albums and 5 pens cost $70.
　　　　　a) Find the cost of 1 pen
　　　　　b) Find the cost of 1 sticker album

Ans: a) _____ [2]

b) _____ [3]

42. Kathy needs 4 apples and 7 oranges to make 650 mℓ of fruit juice. The fruit juice will then be poured into a jug with a capacity of 1 litre.
   a) How many oranges will she need when she has 72 apples to make some juices?
   b) How many jugs will be needed when she uses all the fruits found in part (a) to make into juice?

Ans: a)_____ [2]

b)_____ [2]

43.   Mr Cheng had 400 boxes of chocolates and candies in his shop at first.

He sold $\frac{1}{3}$ of the number of boxes of chocolates and 112 boxes of candies.

Then, he had 3 times as many boxes of candies as chocolates left.
What was the difference in the number of boxes of chocolates and candies at first?

Ans: _____ [5]

44. Ribbon A and Ribbon B each consists of a blue part and a green part.
Ribbon A is 80 cm shorter than Ribbon B.
The green part is 34 cm longer than the blue part on Ribbon A.
The blue part on Ribbon B is 26 cm longer than the blue part on Ribbon A.
How much longer is the green part than the blue part on Ribbon B?

Ans: _____ [4]

-End of Paper-
Please check your work carefully ☺

School: RAFFLES GIRLS' PRIMARY SCHOOL
Subject: PRIMARY 4 MATHEMATICS
Term: SA2

1)	2	6)	3	11)	4
2)	4	7)	3	12)	1
3)	2	8)	3	13)	2
4)	2	9)	2	14)	2
5)	2	10)	2	15)	1

16. 10600

17. 170

18.
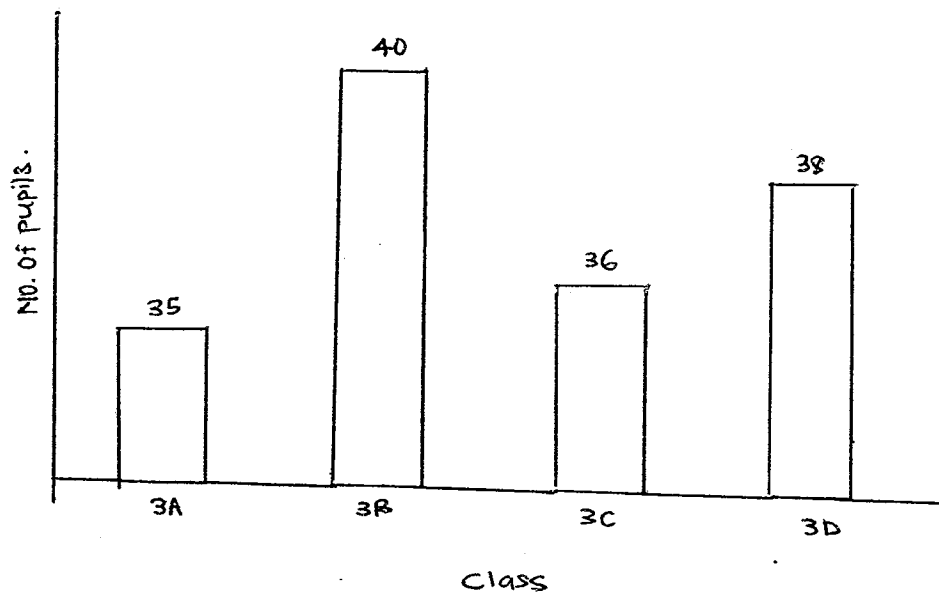
19. 4 m 65 cm

20.
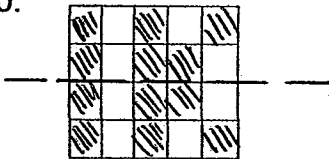
21.
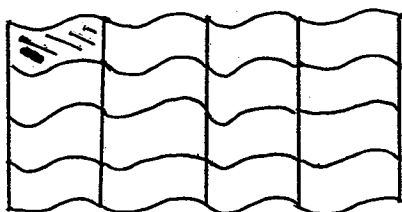
22. $^4/_{11}$, $^2/_5$

23. 0.075, 0.705, $^3/_4$
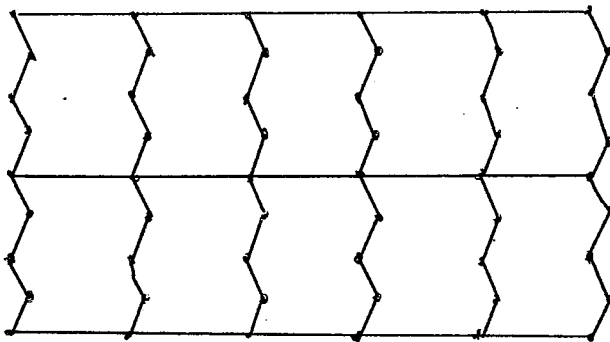
24.
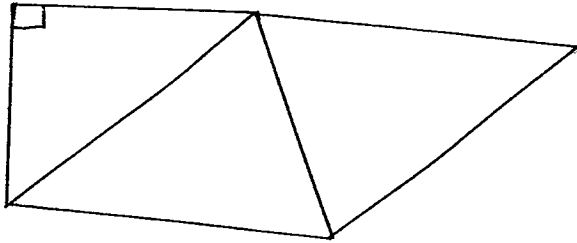
25. $^{47}/_{100}$

26. 8260

27. 3

28. X: 65, Y: 18

29. 68

30. 0820

31. 130

32.

33. 72.63

34. 18160

35. 11

36. 552 x 3 = 1656
    1656 ÷ 2 = **828**

37. (a) **June**
    (b) 45 – 30 = **15litres**

38. 0.35 x 5 = 1.75
    4.63 – 1.75 = 2.88
    2.88 ÷ 6 = **0.48kg**

39. 2 x 2 = 4
    4 x 8 = 32
    288 + 32 = 320
    320 ÷ 10 = 32
    (32 + 10) x 2 = **84cm**

40. $\frac{1}{4} + \frac{1}{6} = \frac{5}{12}$
    $\frac{5}{12} + \frac{1}{3} = \frac{9}{12}$
    $1 - \frac{9}{12} = \frac{3}{12}$
    54 ÷ 3 = 18
    18 x 5 = **$90**

41. (a) 70 – 65 = 5
        5 ÷ 2 = **$2.50**
    (b) 2.5 x 3 = 7.5
        65 – 7.5 = 57.5
        57.5 ÷ 5 = **$11.50**

42. (a) 72 ÷ 4 = 18
        18 x 7 = **126**
    (b) 650 x 18 = 11700
        5200ml = 5l 200ml
        11700ml = 11l 700ml
        11 + 1 = **12**

43. 400 – 112 = 288
    288 ÷ 9 = 32
    32 x 3 = 96
    96 + 112 = **208**

44. 80 – 26 = 54
    54 + 34 = 88
    88 – 26 = **62cm**