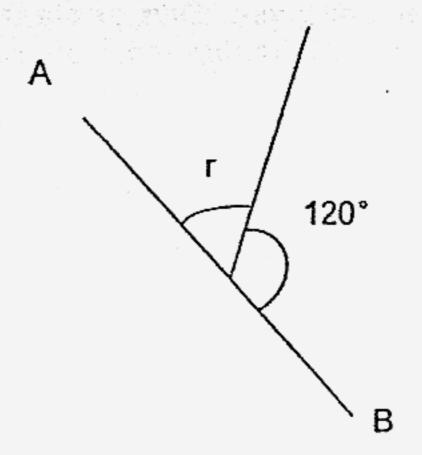
<u>Tao Nan School</u> <u>P5 Mathematics End-of-Year Examination – 2006</u>

Name :		()	Date	: <u>27 October 20</u>	06
Class	: Primary 5 ()			Time	: <u>8.00 a.m10.1</u>	<u>5 a.m.</u>
				Marks	:/100)
Questi each. I answe	ON A (20 marks) ons 1 to 10 carry 1 mark For each question, four opt r. Make your choice (1, 2, l Answer Sheet.	ions a	re ç	given. One	of them is the co	rrect
1) In 2	2 879 543, the digit 8 stands f	or		•		
((1) 8 000 (2) 80 000 (3) 800 000 (4) 8 000 000					
						•
2) Fin	d the value of 5000 x 70				~B	•
((1) 120 000 (2) 350 000 (3) 570 000 (4) 750 000					·
3) Div	ide 485 by 7. The remainder i	s		•		
((1) 5 (2) 2 (3) 3 (4) 6					

- 4) The average cost of 7 magazines is \$8.40. What is the total cost of the magazines?
 - (1) \$1.20
 - (2) \$1.40
 - (3) \$15.40
 - (4) \$58.80
- 5) The figure below is not drawn to scale. AB is a straight line. What is the value of ∠r?

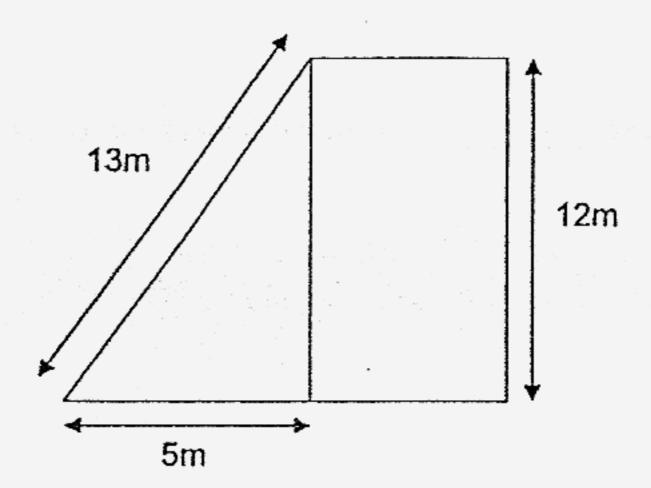


- (1) 40°
- (2) 60°
- (3) 140°
- (4) 160°
- 6) Express 25cm as a percentage of 5m.
 - (1) 5%
 - (2) 20%
 - (3) 50%
 - (4) 125%

- 7) If 200g of flour costs \$2.10, how much does 1kg of flour cost?
 - (1) \$1.05
 - (2) \$4.10
 - (3) \$10.50
 - (4) \$21.00
- 8) Darren bought 4kg of onions. He used $\frac{3}{8}$ of it for his cooking. How many kilograms of onions had he left?
 - (1) $\frac{5}{8}$ kg
 - (2) $1\frac{1}{2}$ kg
 - (3) $2\frac{1}{2}$ kg
 - (4) $3\frac{5}{8}$ kg
- 9) What is the maximum number of 2-cm cubes that can be put into a container of 6cm by 4cm by 2cm?
 - (1)6
 - (2) 12
 - (3)24
 - (4) 32

10) 32% of a group of 50 pupils failed a te	st. How many of them passed the test?
(1) 16 (2) 18 (3) 32 (4) 34	
11) The difference between 2 numbers is big as the smaller number, find the sur	144. If the bigger number is 5 times as m of the 2 numbers.
(1) 175 (2) 180 (3) 216 (4) 278	
12) Joey and Clara shared \$320 in the rati	o 1 : 4. How much did Clara receive?
(1) \$64 (2) \$80 (3) \$240 (4) \$256	
13) For every 4 bars of chocolate sold, Jia receive if she sells 1 dozen of chocolat	min receives \$4.80. How much will she
(1) \$1.20 (2) \$3.70 (3) \$14.40 (4) \$48.00	

14) The figure, not drawn to scale, is made up of a right-angled triangle and a rectangle. If the area of the rectangle is 96m², find the perimeter of the figure.



- (1) 30m
- (2) 38m
- (3) 46m
- (4) 58m
- 15) A carpenter uses nails along the edges of a square board such that there are 25 nails on each side of the square. How many nails does the carpenter use altogether?
 - (1)94
 - (2)96
 - (3)98
 - (4) 100

	•
16) In 980 541, the digit	is in the thousands place.
	Ans:
7) The value of 100 - (67 – 57)	x 7 is
A	
	Ans:
18) Find the value of 0.05 + 0.00	08 + 0.4

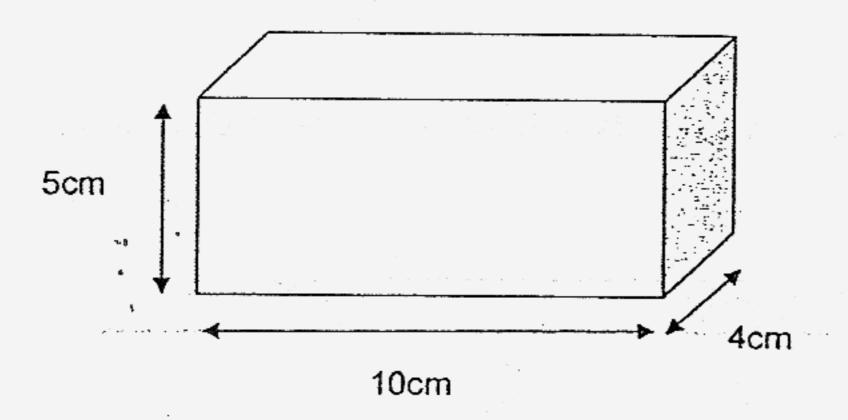
Ans: _____

19) What is the value of $\frac{1}{2}$ of $\frac{4}{9}$?

Ans:	

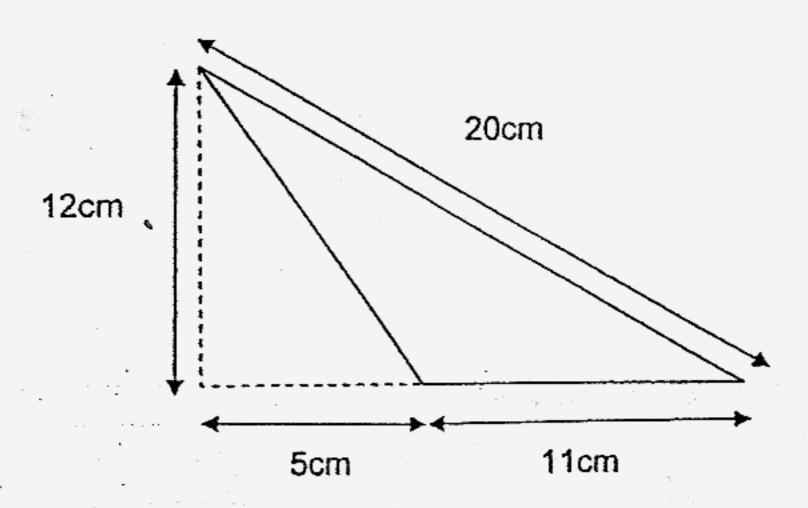
20) How many eighths are there in $1\frac{3}{4}$?

21) What is the volume of the container below?



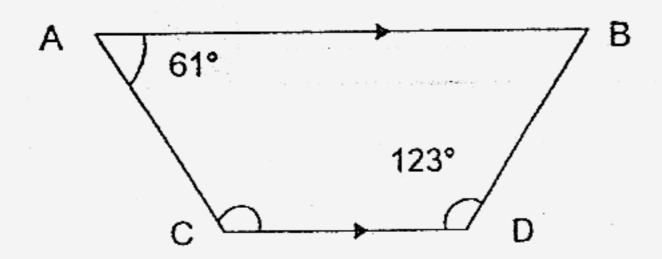
Ans: cn	1 ³
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22) The figure below is not drawn to scale. The area of the triangle is ______.



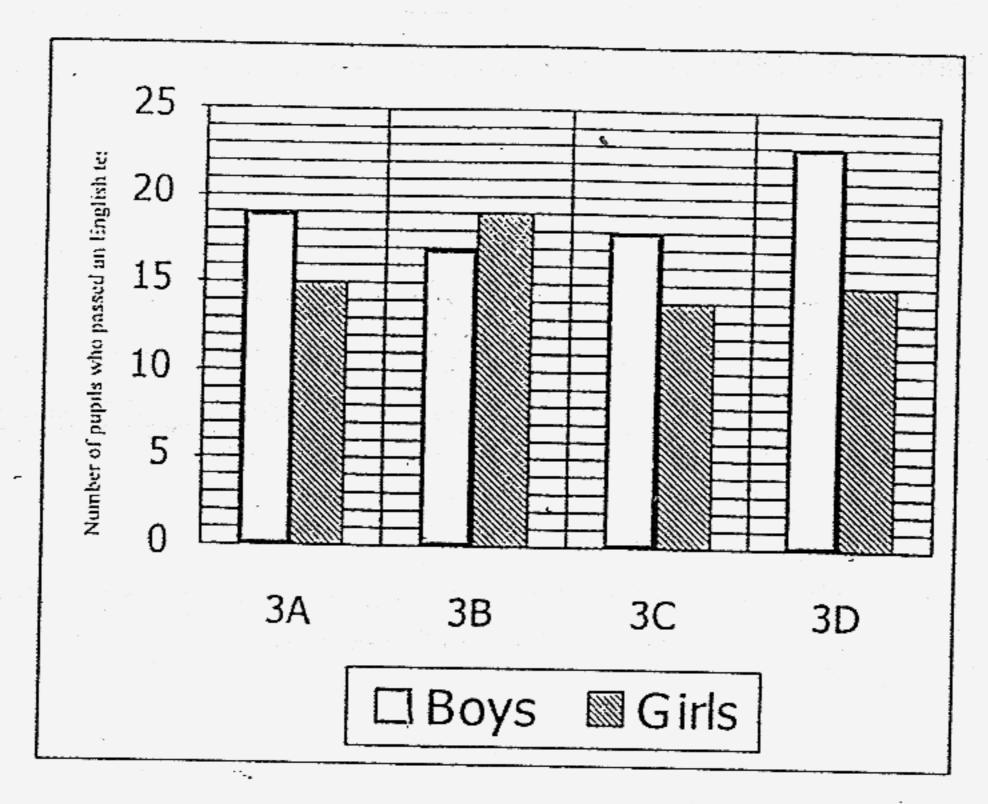
Ans: ____cm²

23) The figure below is not drawn to scale. ABCD is a trapezium. Calculate ∠ACD.



Ans: _____

The table below shows the number of pupils who passed an English test. Each of the classes has an enrolment of 40 pupils. Answer Questions 24 and 25.



24) How many girls passed the English test altogether?

Ans:	

25) What is the ratio of the number of pupils who passed the English test in 3C to the number of pupils who failed the test in the same class? (Give your answer in the simplest form)

Ans:	

space below each question	marks each. Show your working clearly in the and write your answers in the spaces provided. units, give your answers in the units stated.
26) A worker is paid \$60 a day	. How many days must he work to earn \$1680?
	Ans:
	ets of sweets, each weighing 150g. Then, he er packets, each weighing 25g. How many packets
	Ans:
	7(10.
28) A pole is painted white, blu- pole is painted red?	e and red in the ratio 5:3:4. What fraction of the
•	
	Ans:

29) Use any two digits to form the largest number which is a multiple of 9.



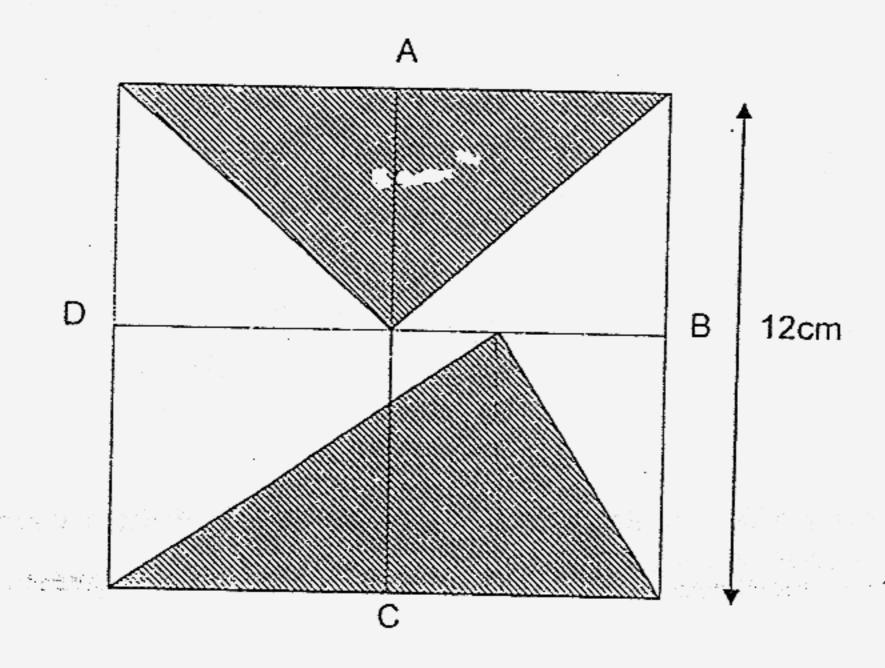






Ans:

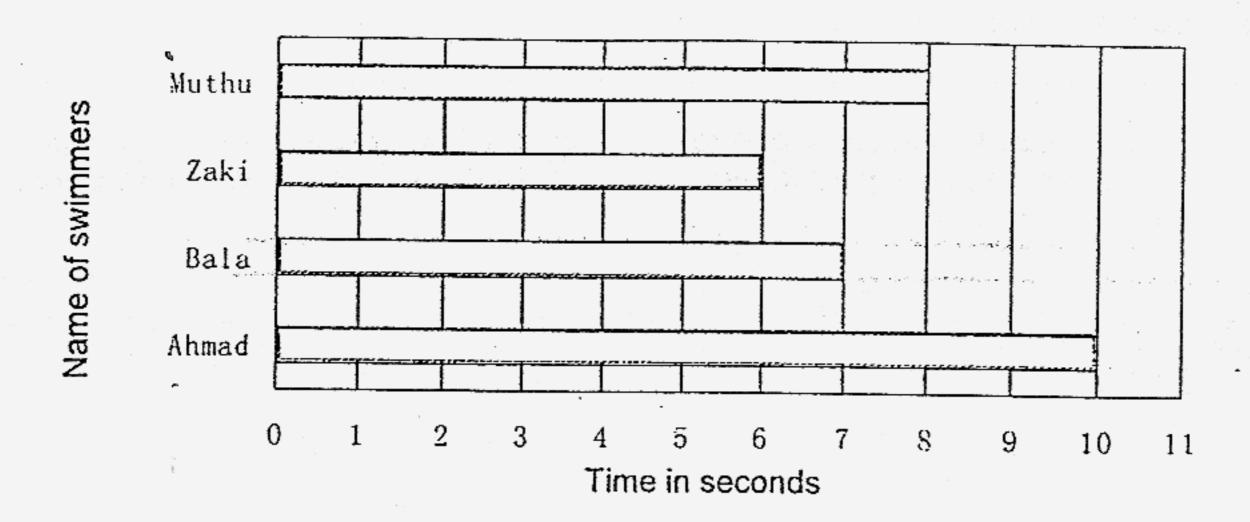
30) The figure shows a square. A, B, C and D are mid-points on the 4 sides. Find the area of the unshaded part of the square.



A no.		
Ans:		cm
	The second secon	

31)	The time indicated on a 180°, what time will it b		n. If the minute I	nand turns clockwise
			Ans:	
	\$43 per m². Find the co			
			Ans: \$	
	•			
33)	There were 700 specimany children were the	tators in a stadio ere?	ım. 25% of thei	n were adults. How
		•		
	•		Ans:	
			Alis	

The chart below shows the time taken by 4 swimmers to complete a race. Study it carefully and answer Question 34 and 35.



34) Who is the fastest swimmer for the race?

Ans:

35) How much faster is the fastest swimmer as compared to the swimmer who came in third?

Ans: _____ seconds

		Class: Prima	ry 5 ()
SECTION C (50 marks) For questions 36 to 48, show your workin question and write your answers in the sp The number of marks available is shown it each question or part-question.	aces provide	d.	ow each
36) Mary collected 75 sticks and Rose collected younger sister, they put the remainder in there in each box?	ted 43. After onto 4 boxes. I	giving 22 stick How many stick	s to their
	Ans:		_ (3m)
37) If Elicia buys 2kg of squids, she will have squids, she will have \$10.60 left. How much			
		-	•
	Ans:		_(3m)

38) A shopkeeper bought 280 apples. 28 of them were rotten. He then sold 63 of the good ones to Seng and the rest to Ming. What fraction of the good apple did Ming buy? (Give your answer in the simplest form)	of s
Ans:(3m)	ŀ
39) An orange cost $\frac{1}{2}$ as much as a watermelon. Jiamin paid \$21 for 12	
watermelons and 6 oranges. How much did she pay for the 6 oranges?	
	•

____ (3m)

Ans:

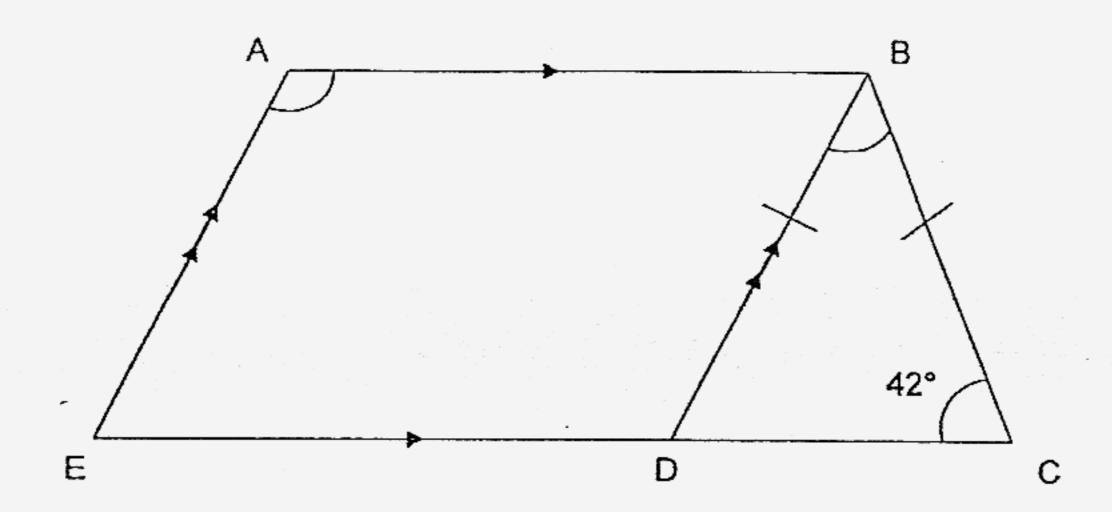
		•	
		-	
:		-	
		-	
		Ans:some money in the ratio	
Faridah, Iman	and Erin shared	Ans:some money in the ratio	8:5:3. Iman and
Faridah, Iman Erin had a tota	and Erin shared	some money in the ratio	8:5:3. Iman and
Faridah, Iman Erin had a tota	and Erin shared : I of \$48. How mu	some money in the ratio	dah have than
Faridah, Iman Erin had a tota Iman?	and Erin shared : I of \$48. How mu	some money in the ratio	8:5:3. Iman and
Faridah, Iman Erin had a tota Iman?	and Erin shared : I of \$48. How mu	some money in the ratio	8:5:3. Iman and dah have than
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Faridah, Iman Erin had a tota Iman?	and Erin shared : I of \$48. How mu	some money in the ratio	8:5:3. Iman and dah have than

40) Joe had \$68 more than Mark. Bobbi had thrice as much as Mark. On

the average, each person had \$56. How much money did Joe have?

42) Alex has some red pens and blue pens in pens than blue pens. What is the new range number of blue pens after he has given a	tio of the num	ber of red pe	
-			
	Ans:		(4m)
43) A container measuring 17cm by 8cm When 8 cubes were put in, the water level each cube.			
			,
	Ans:		(4m)

44) ABDE is a parallelogram and BCD is an isosceles triangle. Calculate



Ans: a)_____ (2m)

b)_____(2m)

45) A box containing 58 iron balls weighed 2145g. When 46 of the iron balls were removed, the mass of the box and the remaining iron balls weighed 489g. What was the mass of the box?

Ans: (5m	1	
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46) Cherie had 3 times as much money as Jolene. After Cherie spent \$40.00 and Jolene spent \$8.00, Jolene had 3 times as much money as Cherie. How much money did Cherie have at first? Ans: _ (5m)

47) Ricci saved \$200 from her salary and spent the rest. She spent $\frac{1}{9}$ of the expenditure on a blouse, \$40 on a scarf and the rest on books. The amount spent on the scarf was \$20 less than that spent on the blouse. What was her salary?

Ans: (5m
--------	----

48) At an exhibition, 30% of those present were boys. $\frac{5}{14}$ of the remainder were girls and the rest were adults. There were 45 more adults than boys. How many more children than adults were there at the exhibition?

Ans: _____ (5m)

- End Of Paper -

Tao Nan Primary School

Answer Sheets

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

17.
$$100 - (67 - 57) \times 7$$

= $100 - 70 = 30$

18.
$$0.400 + 0.050 + 0.008 = 0.458$$

19.
$$\frac{1}{2} \times \frac{4}{9} = \frac{2}{9}$$

$$20. \quad 1\frac{3}{4} \times 8 = 14$$

$$\begin{array}{rcl}
10 & x & 5 &= 40 & x & 5 \\
21. & & & = 200 \text{cm}^2
\end{array}$$

22.
$$\frac{1}{2}$$
 x 11 x 12 = 66cm²

23.
$$180^{\circ} - 61^{\circ} = 119^{\circ}$$

24.
$$15^{\circ} + 15^{\circ} + 19^{\circ} + 14^{\circ} = 63^{\circ}$$

25.
$$18 + 14 = 32$$

 $40 - 32 = 8$
 $32 : 8 = 4 : 1$

$$26. \quad \$1680 \div 60 = 28$$

27.
$$150 \times 20 = 3000$$

 $3000 \div 25 = 120$

28.
$$5 + 3 + 4 = 12$$

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

30.
$$\frac{1}{2}$$
 x 12 x 12 = 72cm²

32.
$$12 \times 9 = 108$$

 $108 \times 43 = 4644

33.
$$100\% = 700$$

 $75\% = 525$

34. Zaki

35.
$$8 - 6 = 2$$
secomds

$$36. \quad 75 + 43 = 118$$

$$118 - 22 = 96$$

$$96 \div 4 = 24$$

There were 24 sticks in each box.

37.
$$5kg - 2kg = 3kg$$

 $3kg = \$(28.90 - 10.60)$
 $= #18.30$
 $2kg = \$12.20$
 $= \$(12.20 + 28.90)$
 $= \$41.10$

Elicia has **\$41.10**

38.
$$280 - 28 = 252$$
 $252 - 63 = 189$

$$= \frac{189}{252}$$

$$= \frac{3}{4}$$

39.
$$12 \times 2 = 24$$

 $24 + 6 = 30$
 $30 = 21$
 $6 = 4.20

She paid \$4.10 for 6 oranges.

40.
$$\$56 \times 3 = \$168$$

 $\$168 = \$68 = \$100$
 $\$100 \div 5 = \20
 $\$20 + \$68 = \$88.00$

Joe has \$88.00

$$41. \quad 5+3 = 8$$
 $8u = 48
 $3u = 18.00

Faridah has \$18 more than Iman.

42.
$$4u = 20$$

 $7u = 35$
 $3u = 5 \times 3$
 $= 15$
 $= 15 - 5$
 $= 10$
 $35 : 10 = 7 : 2$

The new ratio of the number of red pens to the number of blue pens is 7:2

43.
$$10 \div 2 = 5$$

 $8 - 5 = 3$
 $17 \times 8 \times 3 = 408$
 $= 408 \div 8$
 $= 51 \text{cm}^3$

The volume of the cubes is 51cm³

44a.
$$\angle DBC = 180^{\circ} - (42^{\circ} + 2^{\circ})$$

= $180^{\circ} - 84^{\circ}$
= 96°

44b.
$$\angle DBA = 42^{\circ} (alt \angle)$$

 $\angle EAB = 180^{\circ} - 42^{\circ} = 138^{\circ}$

$$45. \quad 58 - 46 = 12$$

$$2145 - 489 = 1656$$

$$46u = 1656$$

$$12u = 72 \times 6$$

$$= 432$$

$$= 489 - 432$$

$$= 57g$$

The mass of the box is 57g

46. 8u =
$$\$(40 - \$8 - \$8 - \$8)$$

= $\$16.00$
9u = $\$18.00$
= $\$(18 + 8 + 8 + 8)$
= $\$42$

Cherie has \$42.00 at first.

Her salary was **\$740.00**

There 30 more children than adults at the exhibitions