PEI CHUN PUBLIC SCHOOL

SEMESTRAL ASSESSMENT 2, 2017

MATHEMATICS

PRIMARY 3

Time: 1 h 45 min

Name : _____( )

Class : Primary 3___

Date : 27 October 2017

Maths Teacher : _____

Parent's Signature : _____

Section A	/20
Section B	/38
Section C	/22
TOTAL	/80

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SHOW YOUR WORKING CLEARLY AS MARKS ARE AWARDED FOR CORRECT WORKING.

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Section A

Questions 1 to 10 carry 2 marks each. For each question, choose the correct answer and write its number in the brackets provided.

(20 marks)

1. In 9840, what is the value of the digit 8?

(1) 8 (2) 80

(3) 800 (4) 8000

2. Look at the number pattern below and find the missing number in the box.

8738	?	8538	8438	8338	8238

(1) 8368 (2) 8638

(3) 8838 (4) 9538

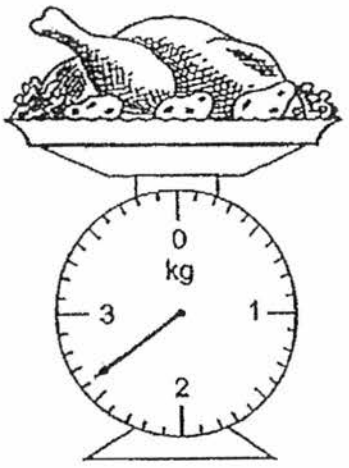
3. $48 + 8 =$ _____ $\times 3$

(1) 18 (2) 2

(3) 3 (4) 6

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4. What is the mass of the chicken shown below?



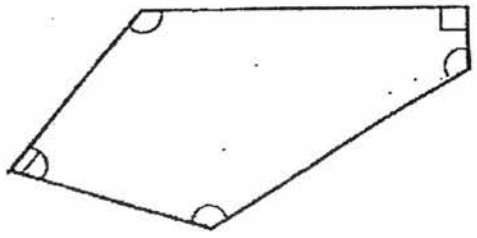
(1) 2 kg 6 g

(2) 2 kg 60 g

(3) 2 kg 510 g

(4) 2 kg 600 g

5. How many of the marked angles is/are acute angle(s)?



(1) 1

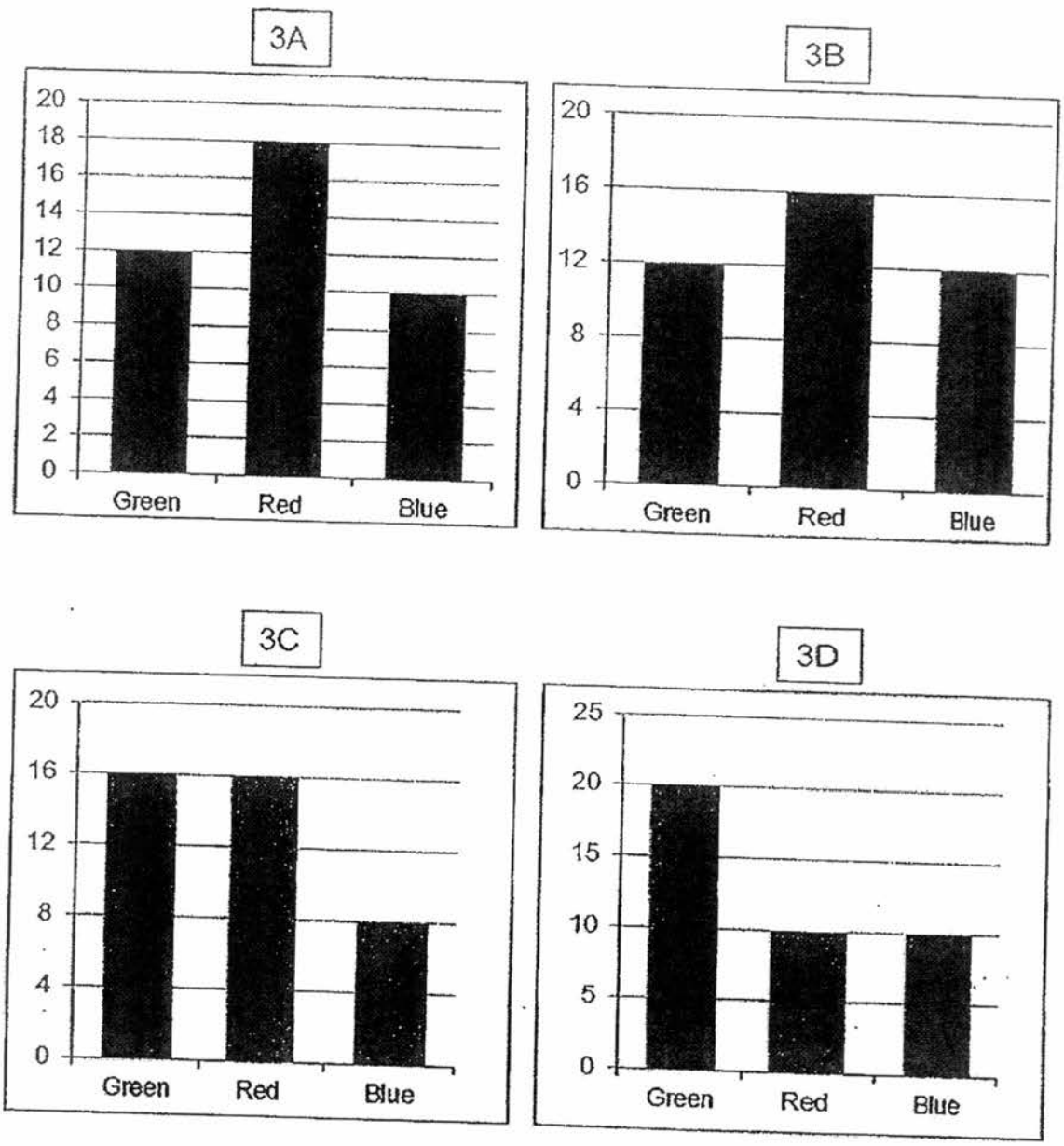
(2) 5

(3) 3

(4) 4

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6. The graphs below show the favourite colours of the pupils in 4 different classes.



There are 40 pupils in each class. Which classes have the same number of pupils who like blue?

(1) 3A and 3B

(2) 3B and 3C

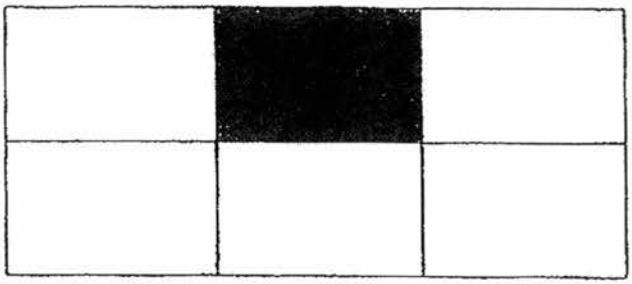
(3) 3A and 3D

(4) 3C and 3D

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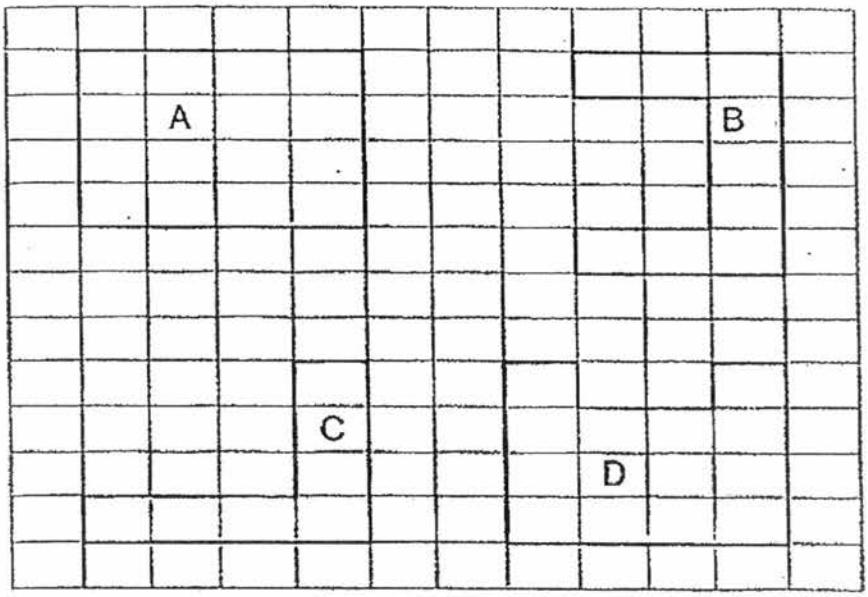
7. The figure is made up of identical rectangles. How many more rectangles need to be shaded so that $\frac{2}{3}$ of the figure is shaded?



(1) 1 (2) 2

(3) 3 (4) 4

8. Which of the following figures have the same perimeter?

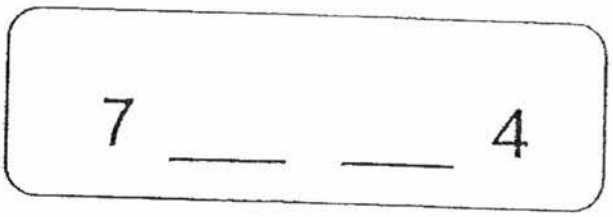


(1) B and C (2) A and B

(3) C and D (4) A and C

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9. Jessie is thinking of a 4-digit number. The value of the digit in the hundreds place is 50 tens. The digit in the tens place is 3 less than the digit in the ones place.



What is the number?

(1) 7054 (2) 7504

(3) 7514 (4) 7574

10. Mrs Devi has 239 buns. She can pack up to 6 buns in 1 box. What is the smallest number of boxes Mrs Devi needs to pack all the buns?

(1) 5 (2) 6

(3) 39 (4) 40

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Section B

Questions **11** to **20** 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)

11. Write the following number in words.

8712

Answer : _____

_____

12. Arrange the following numbers in order, beginning with the smallest.

5458	5584	5485

_____, _____, _____

smallest

13. Write $15.07 in cents.

Answer : _____ ¢

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14. What is the missing number in the box below?

$$\frac{3}{5} = \frac{\square}{10}$$

Answer : _____

15. Express 1020 m in kilometres and metres.

Answer : _____ km _____ m

16. Arrange the set of the fractions below in order. Begin with the greatest.

$$\frac{1}{4} \quad , \quad \frac{1}{2} \quad , \quad \frac{7}{12}$$

_____, _____, _____

greatest

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17. Use all the following digits to form the greatest 4-digit odd number. All the digits must be used. Each digit can only be used once.

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3	8	0	7

Answer : _____

---

18. Fill in the blank with cm, m or km.

The length of a whiteboard in a classroom is about 4 [?] .

Answer : _____

---

19. [A] ÷ 7 = 9R3

Find the value of A.

Answer : _____

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20. Arrange the following objects in order of their mass, beginning with the lightest.





_____, _____, _____

lightest

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Questions **21** to **34** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (28 marks)

21. Find the value of

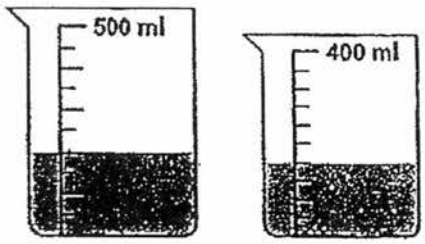
(a) $1 - \frac{5}{11}$

(b) $\frac{1}{9} + \frac{1}{3}$

Answer: (a) _____

(b) _____

22. What is the total volume of water in the set of beakers below?



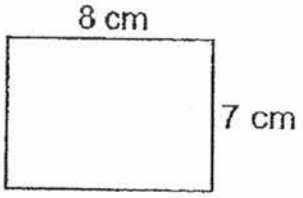
Answer : _____ ml

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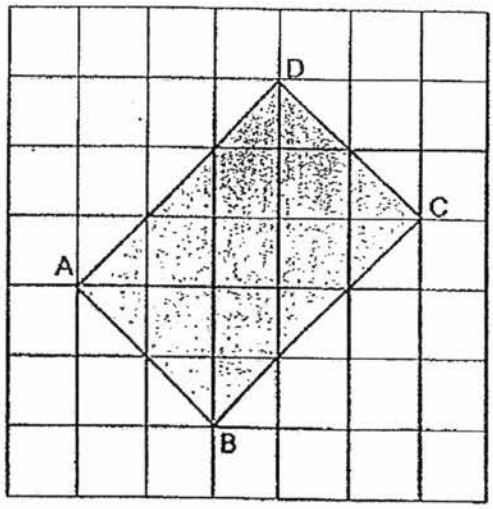
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23. The figure below shows a rectangle with a length of 8 cm. Its breadth is 7 cm. What is the area of the rectangle?



Answer : _____ cm^2

24. Name 2 pairs of parallel lines in the figure below.



Answer : _____ // _____

_____ // _____

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In this space

25. Mr Ding sold 432 oranges. He sold 4 times as many oranges as Mrs Ong. How many oranges did Mrs Ong sell?

Answer : _____

26. A shop owner had 210 guppies. He then bought another 40 packs of guppies. There were 100 guppies in each pack. How many guppies did the shop owner have in the end?

Answer : _____

27. Susan had a roll of tape 605 cm long. She cut it into an equal number of 2-cm and 3-cm strips. How many 2-cm strips did she get?

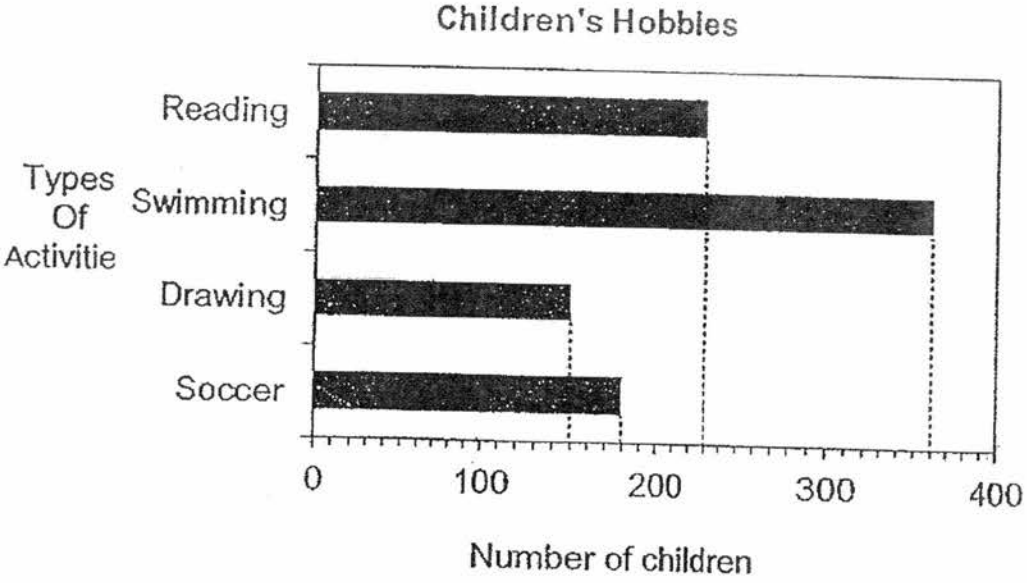
Answer : _____

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28. A group of children was asked to choose their favourite activity. The bar graph below shows their choices.

Do not write in this space



How many more children chose soccer than drawing?

Answer : _____

29. Nigel went to a carnival. The table below shows the programme of the activities held at the carnival.

Activities	Starts at	Finish at
Balloon sculpting	1.45 p.m.	2.10 p.m.
Animal show	2.25 p.m.	4.10 p.m.
Puppet show	4.30 p.m.	5.05 p.m.

Nigel attended an activity that lasted 35 min. Which activity did he attend?

Answer : _____

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Do not write in this space

30. Bala sold 20 kg of durians on Monday. He sold 7 kg more durians on Tuesday. What is the total mass of durians that he sold on both days?

Answer : _____ kg

31. John has 5 fifty-cent coins and 3 twenty-cent coins. How much more money does John need to buy a school bag which cost $10?

Answer : $_____

32. A water bottle contained 1ℓ of water. Jamie drank 350 ml of water. How much water was left in the bottle? Give your answer in ml.

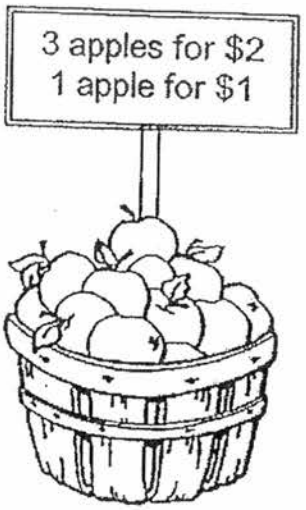
Answer : _____ ml

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33. Gopal wants to buy 26 apples. What is the smallest amount of money he has to pay for the 26 apples?

Do not write in this space



Answer : $ _____

34. Leena had 3 times as many stickers as Johnny. After Leena gave away 24 stickers and Johnny gave away 6 stickers, both of them had the same number of stickers left. How many stickers did Johnny have at first?

Answer : _____

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Section C

For questions **35** to **40**, 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.

(22 marks)

35. There were 3800 people in a stadium. 237 of the people were adults and the rest were children.

    (a) How many children were there?

    (b) There were 1837 boys. How many girls were there?

Answer : (a) _____ [1]

(b) _____ [2]

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36. Lennon bought a total of 42 hamburgers and muffins for $120. He paid $4 for each hamburger and $2 for each muffin. How many hamburgers did he buy?

Do not write in this space

Answer : _____ [3]

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Do not write in this space

37. Pensy and her family arrived at the East Coast Park at 3.45 p.m. They spent 1 h 40 min cycling and the rest of the time building sandcastles. They left the park at 7.08 p.m.

(a) How long did they spend at the park?

(b) How long did they spend building sandcastles? Give your answer in h and min.

(c) They took 26 min to travel home. At what time did they reach home?

Answer : (a) _____ [1]

(b) _____ [2]

(c) _____ [1]

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38. Mrs LI had 179 sweets. She gave all the sweets to her pupils in class 3J. Each boy received 4 sweets and each girl received 5 sweets. There were 21 boys in the class.

Do not write in this space

(a) How many sweets were given to the boys altogether?

(b) How many girls were there in the class?

Answer : (a) _____ [1]

(b) _____ [3]

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39. Judy bought a teddy bear and a board game. The board game cost $20.75 and the teddy bear cost $32.60 more. She gave the cashier some money and received $5.90 change.

(a) How much did Judy spend in all?

(b) How much did she give the cashier?

nswer : (a) _____ [2]

(b) _____ [2]

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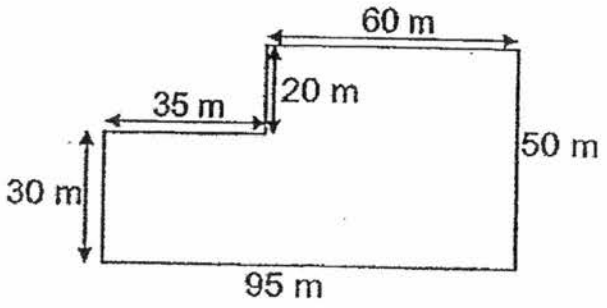
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40. A farmer has a plot of land as shown below. He needs to put a fence around it.

Do not write in this space

(a) What is the total length of fence needed?

(b) It costs $8 for every metre of fencing. How much does the farmer have to pay for the fencing?



Answer : (a) _____ [2]

(b) _____ [2]

End of Paper

Set by : Mrs Peggy Leong and Mr Wang Junxian

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SCHOOL : PEI CHUN PUBLIC SCHOOL
LEVEL : PRIMARY 3
SUBJECT : MATH
TERM : 2017 SA2

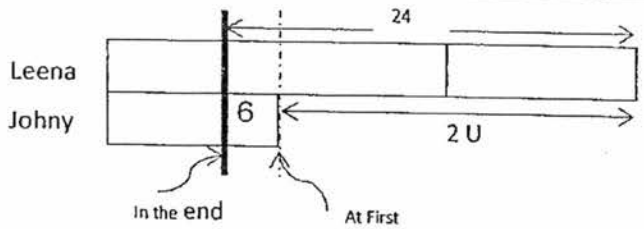
SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	2	4	1	3	3	4	3	4

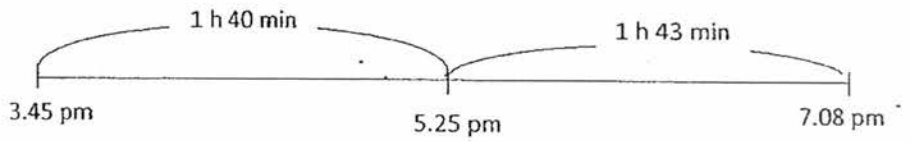
SECTION B

Q11)	Eight thousand, seven hundred and twelve
Q12)	5458, 5485, 5584
Q13)	1507
Q14)	**6**
Q15)	1 km 20 m
Q16)	7/12, 1/2, 1/4
Q17)	8703
Q18)	m
Q19)	9 x 7 = 63 63 + 3 = **66**
Q20)	**C, B, A**
Q21)	(a) **6/11** (b) **4/9**
Q22)	200 + 160 = **360**
Q23)	8 x 7 = **56**
Q24)	**AD // BC** **DC // AB**
Q25)	432 ÷ 4 = **108**

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Q26)	100 x 40 = 4000 4000 + 210 = **4210**
Q27)	2 + 3 = 5 605 ÷ 5 = **121**
Q28)	180 – 150 = **30**
Q29)	**Puppet show**
Q30)	20 + 7 = 27 27 + 20 = **47**
Q31)	50 x 5 = 250 20 x 3 = 60 250 + 60 = 310 1000 – 310 = **690**
Q32)	1000 – 350 = **650**
Q33)	8 x 2 = 16 2 x 1 = 2 16 + 2 = **18**
Q34)	 24 – 6 = 18 18 ÷ 2 = **9**

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Q35)	(a) Children → 3800 – 237 = **3563** (b) Girls → 3563 – 1837 = **1726**
Q36)	12 x 4 = 48 30 x 2 = 60 48 + 60 = 108 18 x 4 = 72 25 x 2 = 48 72 + 48 = **120**
Q37)	 (a) Time spent at carpark → 1h 40 min + 1 h 43 min = 2 h 83 min = **3h 23 min** (b) Time taken to build sandcastle → 3h 23 min - 1h 40 min = **1h 43 min** **(c) 7.34pm**
Q38)	(a) No. of sweets for boys → 21 x 4 = 84 (b) No. of sweets for girls → 179 – 84 = 95 No. of girls in class → 95 ÷ 5 = **19**
Q39)	a) Cost of Teddy bear → $20.75 + $32.60 = $53.35 Total spent → $53.35 + $20.75 = **$74.10** b) Total she gave cashier → $74.10 + $5.90 = **$80.00**
40)	50 + 95 + 30 + 35 + 20 + 60 = 290 290 x 8 = **2320**

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