# PEI CHUN PUBLIC SCHOOL

## SEMESTRAL ASSESSMENT 2, 2019

## MATHEMATICS

## PRIMARY 3

**Time : 1 h 45 min**

Name : _____ (  )

Class : Primary 3 / _____

Date : 30 October 2019

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. What is the value of the digit 7 in 9075?

(1) 7 (2) 70

(3) 700 (4) 7000 (  )

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

| 4309 | 4109 | 3909 | ? | 3509 | 3309 |
|---|---|---|---|---|---|

(1) 3609 (2) 3960

(3) 3709 (4) 3970 (  )

3. Arrange the following fractions in order. Begin with the greatest.

$$\frac{1}{10}, \quad \frac{3}{5}, \quad \frac{1}{2}$$

(1) $\frac{3}{5}, \frac{1}{10}, \frac{1}{2}$ (2) $\frac{1}{10}, \frac{1}{2}, \frac{3}{5}$

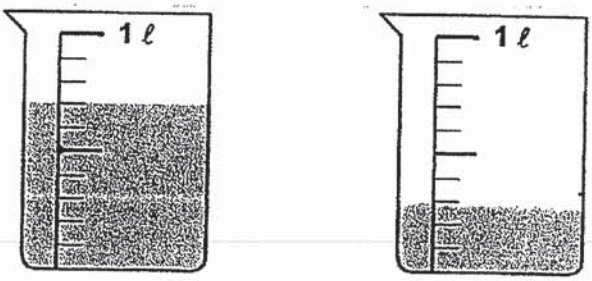
(3) $\frac{3}{5}, \frac{1}{2}, \frac{1}{10}$ (4) $\frac{1}{2}, \frac{1}{10}, \frac{3}{5}$ (  )



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4. Tim had two beakers of water, Beaker A and Beaker B as shown in the diagram below.



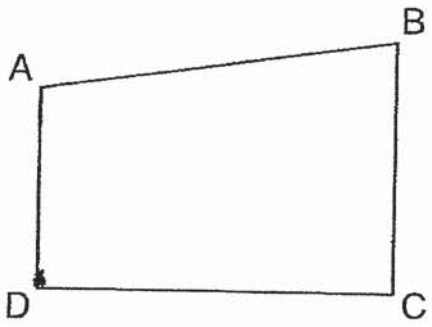

Beaker A Beaker B

How much water was there in both beakers altogether?

(1) 300 ml (2) 400 ml

(3) 500 ml (4) 1000 ml ( )

5. Look at the figure below.




Which of the following is a pair of parallel lines?

(1) AB and DC (2) BC and CD

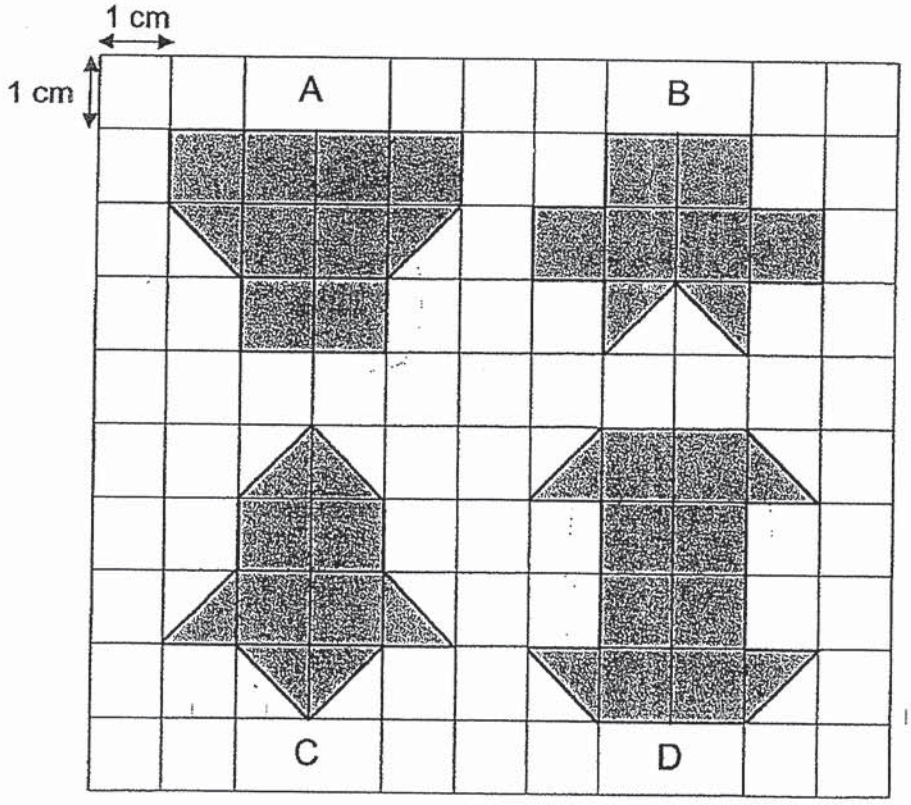
(3) AD and BC (4) AD and DC ( )



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6. The figures below are drawn on a 1-cm grid.




Which 2 figures have the same area?

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

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

7. Kelly arrived in school at 7.10 a.m. She took 35 minutes to travel from home to school. At what time did she leave her home?

(1) 6.25 a.m. (2) 6.35 a.m.

(3) 7.35 a.m. (4) 7.45 a.m. ( )



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8. The difference between two numbers is 1718. The smaller number is 6147. What is the other number?

(1) 7964 (2) 7865

(3) 4429 (4) 4330 (  )

9. A sum of money was shared among 4 boys. Each boy received $200 and there was $38 left. What was the sum of money?

(1) $50 (2) $88

(3) $762 (4) $838 (  )

10. Cindy needs 175 cm of cloth to make a blouse. She needs 25 cm more cloth to make a dress. How much cloth does Cindy need to make 2 such dresses?

(1) 200 cm (2) 300 cm

(3) 375 cm (4) 400 cm (  )



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## Section B

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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 7 thousands, 9 hundreds and 4 ones in numerals.

Answer : _____

12. Find the product of 369 and 8.

Answer : _____

13. Express $\frac{9}{12}$ in its simplest form.

Answer : _____

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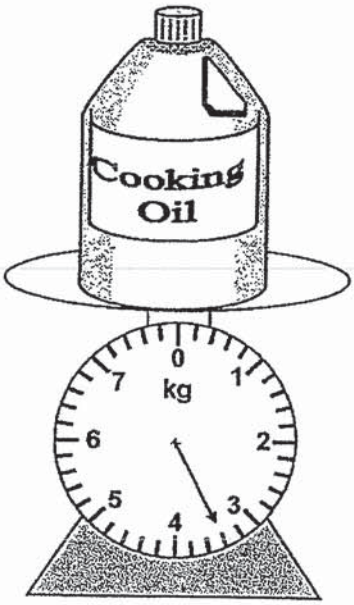


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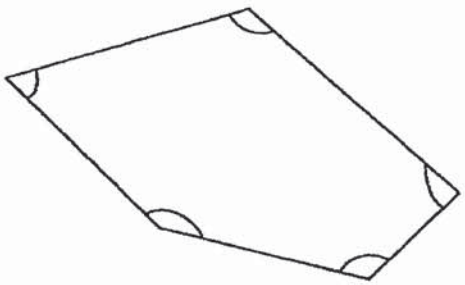
14. What is the mass of the bottle of cooking oil?

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Answer : _____ kg _____ g

15. In the diagram below, how many of the marked angles are obtuse angles?



Answer : _____

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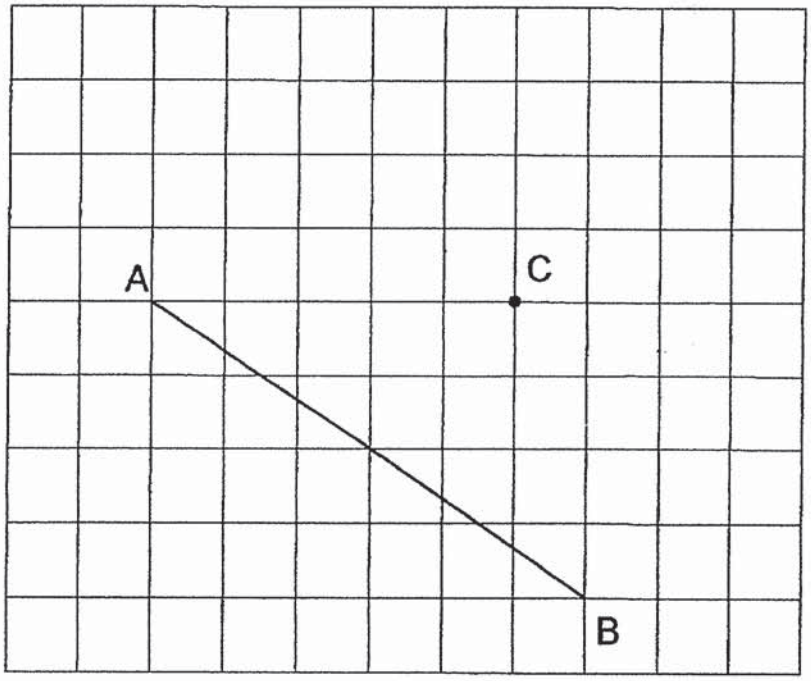
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16. Jessica's piano lesson started at 9.45 a.m. Her lesson lasted for 1 h 20 min. At what time did her lesson end?

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Answer : _____ a.m.

17. Draw a line parallel to line AB passing through Point C.




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18. Use all the following digits to form the greatest 4-digit odd number. Each digit can only be used once. Do not begin with the digit '0'.

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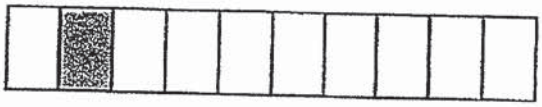
| 8 | 0 | 9 | 6 |
|---|---|---|---|

Answer : _____

19. Find the value of $\frac{1}{3} + \frac{2}{6}$. Give your answer in the simplest form.

Answer : _____

20. The figure below is made up of 10 equal parts. How many more parts must be shaded so that $\frac{3}{5}$ of the figure is shaded?



Answer : _____

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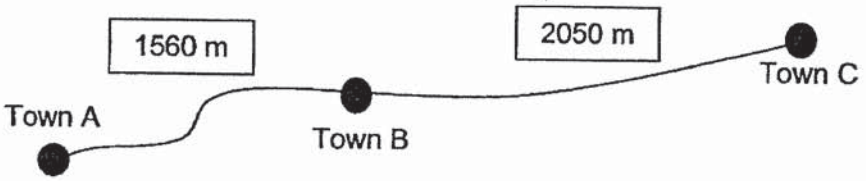
Questions **21** to **34** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (28 marks)

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21. Annie has 3 fifty-cent coins and 4 five-dollar notes. How much money does she have altogether?

Answer : $ _____

22. How much farther was the distance between Town B and Town C than that between Town A and Town B?




Answer : _____ m

23. A tennis racket cost $128. A pair of sports shoes cost $19.60 less than the tennis racket. How much did the pair of sports shoes cost?

Answer : $ _____

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24. Mrs Wong used 135 g of flour to bake a cake. How much flour did Mrs Wong use to bake 5 such cakes?

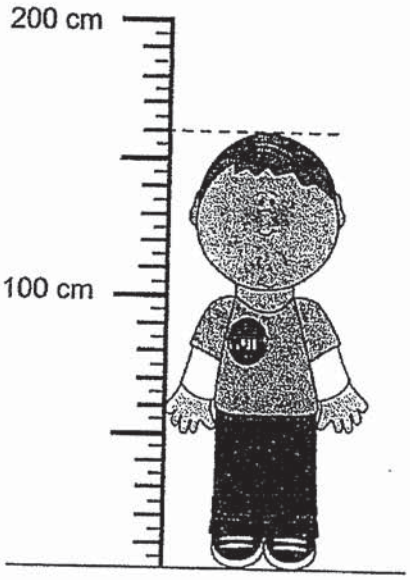
Do not write in this space

Answer : _____ g

25. The figure shows the height of a boy.
What is his height

(a) in centimetres?

(b) in metres and centimetres?




Answer : (a) _____ cm

(b) _____ m _____ cm

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26. Mandy packed 932 sweets into as many boxes of 9 as possible. How many sweets were left unpacked?

Answer : _____

27. Mr Suri sold 243 apples. Mr Ng sold 3 times as many apples as Mr Suri. How many apples did Mr Ng sell?

Answer : _____

28. A pail with a capacity of 2 ℓ contains 1400 ml of water. 3 full jugs of water are needed to fill the pail completely. What is the capacity of a jug?

Answer : _____ ml

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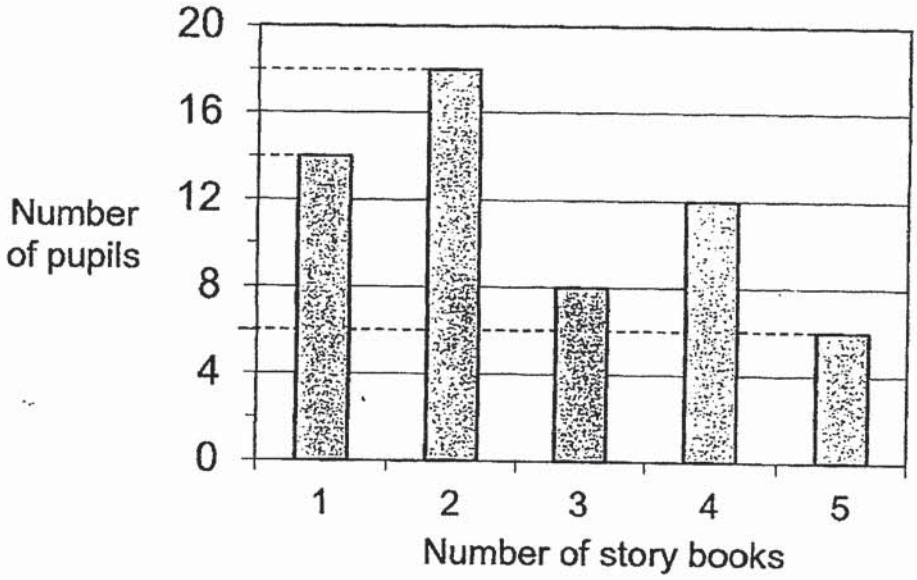
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29. Ravi had 680 marbles at first. He gave away 8 marbles and packed the remaining marbles into packets of 4 marbles. How many packets of marbles did Ravi pack?

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Answer : _____

30. The graph below shows the number of story books read by a group of pupils last week.




How many pupils read more than 1 but fewer than 4 books last week?

Answer : _____

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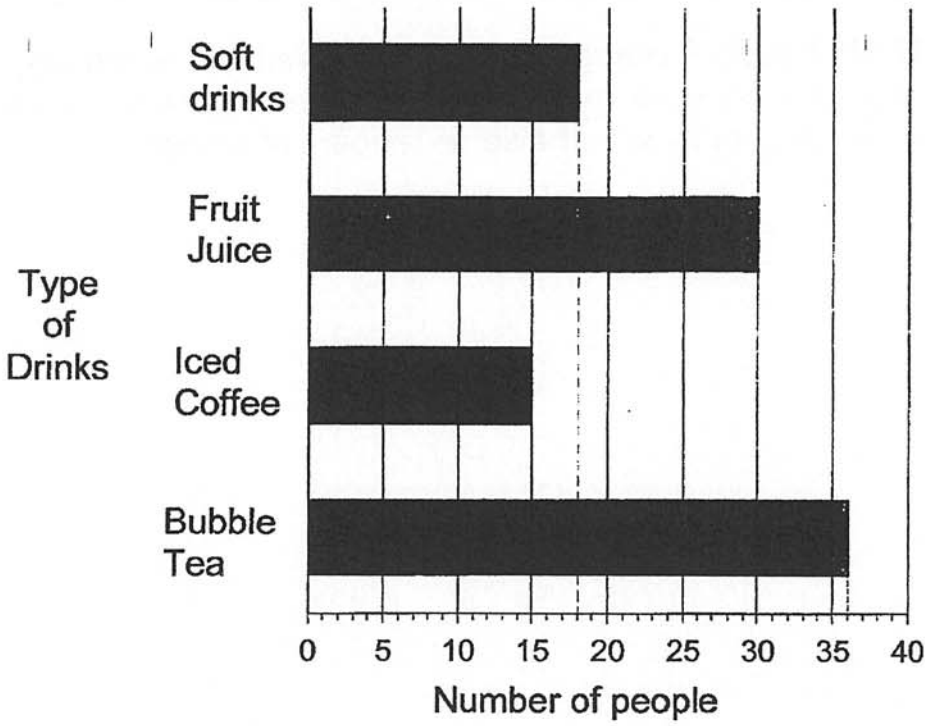
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31. Janet gave 60 muffins to her classmates. 12 of her classmates took 1 muffin each. The rest of her classmates took 2 muffins each. How many of Janet's classmates took 2 muffins each?

Answer : _____

32. A group of people was asked to choose their favourite choice of drinks. The bar graph below shows their choices.




How many more people like fruit juice than soft drinks?

Answer : _____

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33. A van can carry up to 8 people. What is the smallest number of vans needed to carry 97 people?

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Answer : _____

34. Mr Smith bought 6 oranges and 8 apples with some money. An orange cost twice as much as an apple. How many apples could Mr Smith buy with the same amount of money?

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. A shirt cost $65.30. Mrs Lee bought a bag that cost $24.80 more than the shirt.

    (a) What was the cost of the bag?

    (b) Mrs Lee gave the cashier a $100 note to pay for the bag. What was the change she received?

Answer : (a) _____ [1]

(b) _____ [2]

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36. Mrs Tan started washing and polishing her car at 5.00 p.m. She took 40 min to wash her car and 1 h 25 min to polish her car.

(a) At what time did Mrs Tan complete washing and polishing her car?

(b) How much more time did Mrs Tan take to polish than wash her car?

Answer : (a) _____ [1]

(b) _____ [2]

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37. Jerry ran 1650 m. He ran 800 m more than Kenny.

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(a) What is the distance Kenny ran in metres?

(b) What is the total distance ran by the two boys? Leave your answer in km and m.

Answer : (a) _____ [2]

(b) _____ [2]

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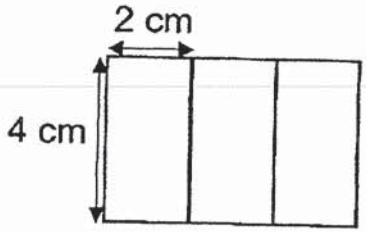
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38. Janice placed 3 rectangular cards of the same size together to form a large rectangle as shown below.

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(a) What is the perimeter of the large rectangle?

(b) What is the area of the large rectangle?




Answer : (a) _____ [2]

(b) _____ [2]

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39. 3480 people were at a football match. 1905 of them were adults and the rest were children. There were 4 times as many boys as girls at the football match.

(a) How many children were at the football match?

(b) How many girls were at the football match?

Answer : (a) _____ [2]

(b) _____ [2]

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40. Mrs Ong bought a total of 50 notebooks and scissors for $154. She paid $5 for each notebook and $2 for each pair of scissors.

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(a) How many pairs of scissors did she buy?

(b) How many notebooks did she buy?

Answer : (a) _____ [3]

(b) _____ [1]

**End of Paper**

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# ANSWER KEY

**YEAR : 2019**
**LEVEL : PRIMARY 3**
**SCHOOL : SCHOOL**
**SUBJECT : MATHEMATICS**
**TERM : SA2**

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**BOOKLET A**

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 4 | 3 | 2 | 2 | 2 | 4 | 4 |

**Q11** 7904

**Q12** 2952

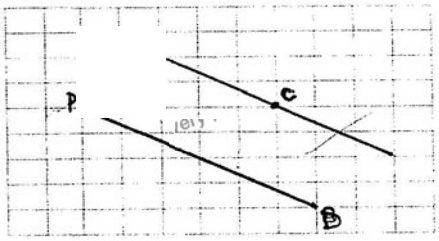
**Q13** $\frac{3}{4}$

**Q14** 3kg 400g

**Q15** 3

**Q16** 11.05 a.m.

**Q17**




**Q18** 8609

**Q19** $\frac{2}{3}$

**Q20** 5

**Q21** $21.50

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Q22 490m

Q23 $108.40

Q24 675g

Q25 (a)160cm

(b)1m 60m

Q26 5

Q27 729

Q28 200ml

Q29 168

Q30 26

Q31 24

Q32 12

Q33 13

Q34 20

Q35 (a)$90.10

(b)$9.90

Q36 (a)7.05

(b)45 min

Q37 (a)850m

(b) 2km 500m

Q38 (a)20cm

(b)24cm$^2$

Q39 (a)1575

(b)315

Q40 (a)32

(b)18



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