PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 3
MATHEMATICS PAPER

27 OCT 2017

Parent's signature

Name: _____

Form Class / Register No. : 3R_____ / _____

Banded Class / Register No. : 3M_____ / _____

Total time:1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully and answer all questions.
4. For Section A, shade your answers on the Optical Answer Sheet (OAS) provided.
5. For Section B and C, write all your answers in this booklet
6. The use of calculator is **NOT ALLOWED.**

Marks (Section A)	30
Marks (Section B)	30
Marks (Section C)	20
Total Marks:	80

This booklet consists of 17 printed pages, excluding the cover page.

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Section A: (15 × 2 = 30 marks)

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

---

1. What is the value of the digit '7' in 9070?

   (1) 7
   (2) 70
   (3) 700
   (4) 7000

2. What is the sum of 1576 and 2468?

   (1) 892
   (2) 3934
   (3) 4034
   (4) 4044

3. Find the product of 56 and 4

   (1) 14
   (2) 204
   (3) 224
   (4) 2024

4. James has 876 marbles.
   He has three times as many marbles as Harry.
   How many marbles does Harry have?

   (1) 292
   (2) 289
   (3) 438
   (4) 2628

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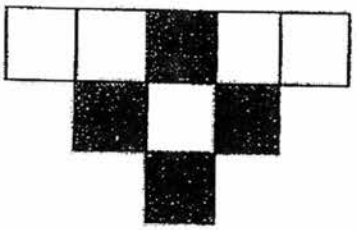
5. Jane paid the cashier $50 for a toy bear.
She received a change of $15.65.
What was the cost of the toy bear?

(1) $15.65
(2) $34.35
(3) $35.35
(4) $65.65

6. 4 km 9 m = _____ m

(1) 409
(2) 490
(3) 4009
(4) 4900

7. Study the figure below.
What fraction of the figure is shaded?



(1) $\frac{4}{5}$
(2) $\frac{4}{9}$
(3) $\frac{5}{4}$
(4) $\frac{5}{9}$

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8. The time shown on the clock below is _____.



(1) 12 minutes to 8
(2) 48 minutes to 8
(3) 12 minutes to 9
(4) 48 minutes to 9

9. 2571 + 140 = [?] + 711

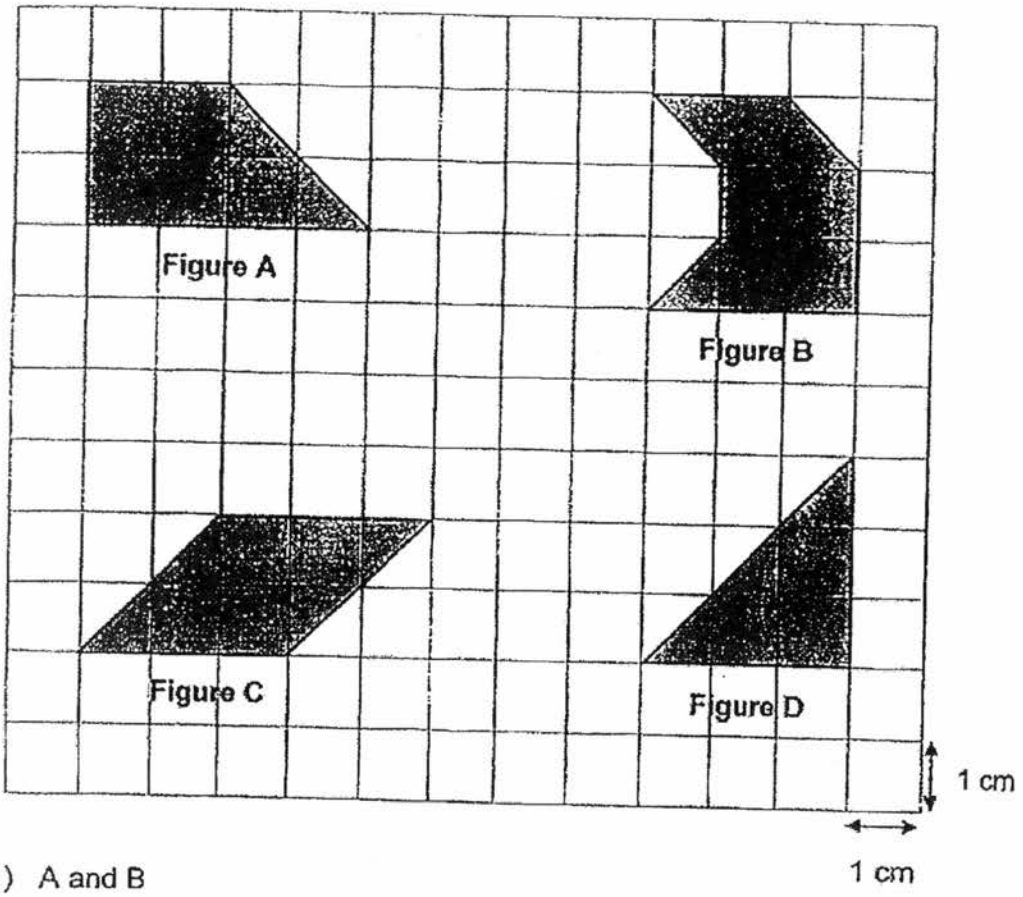
What is the missing number in the box?

(1) 2000
(2) 2711
(3) 3142
(4) 3422

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10. Refer to the figures below.

Which two figures have the same area?



(1) A and B

(2) A and C

(3) B and C

(4) B and D

11. Nicky collected $264 from selling bouquets of roses.

Each bouquet of roses was sold at $6.

There were 4 stalks of roses in each bouquet.

How many stalks of roses did she sell altogether?

(1) 44

(2) 66

(3) 176

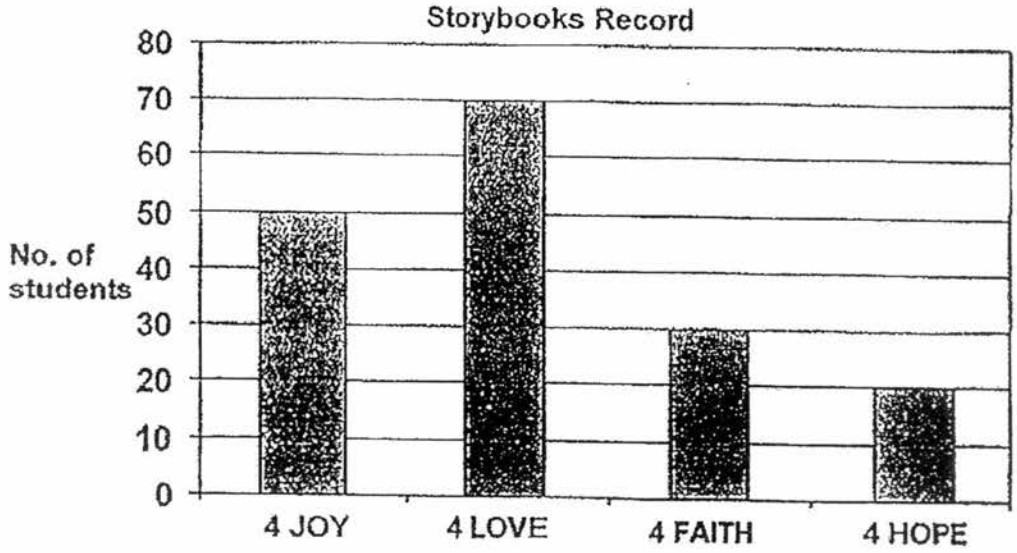
(4) 396

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12. Mrs Tan had some string.
She used 86 cm of it to tie a parcel and had 295 cm left.
How much string did Mrs Tan have at first?

(1) 209 cm
(2) 211 cm
(3) 371 cm
(4) 381 cm

13. The graph below shows the number of storybooks read by pupils in the four classes in one term.

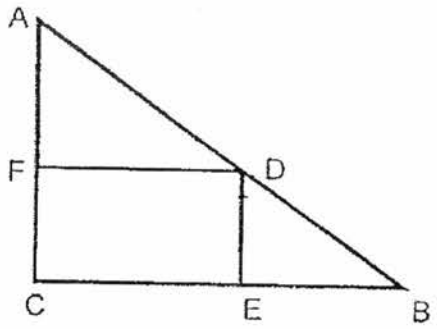


How many books did the students of 4 JOY and 4 FAITH read?

(1) 20
(2) 50
(3) 70
(4) 80

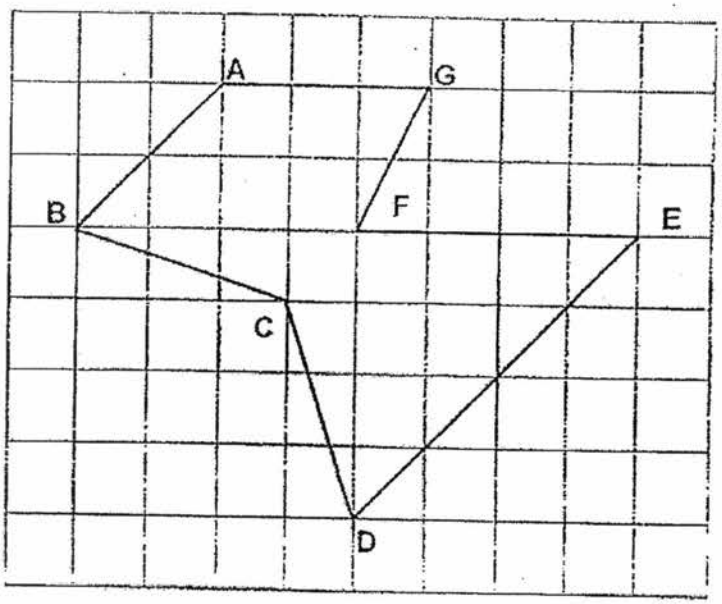
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14. Study the figure below. How many right angles are there?



(1) 7
(2) 6
(3) 5
(4) 4

15. In the figure below, which line is parallel to line AB?



(1) GF
(2) BC
(3) CD
(4) ED

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Section B: (15 × 2 = 30 marks)

Solve each of the following problems.

Show all your working and statements clearly.

Write your answers in the space provided.

---

16. Complete the following number pattern.

4006 , 4128 , 4250 , _____ , 4494 , 4616

Ans: _____

17. 300 less than _____ is 4265.

Ans: _____

18. What is the missing number in the box?

$$\begin{array}{rcccc} & 6 & 9 & 5 & 4 \\ - & 2 & \boxed{?} & 5 & 5 \\ \hline & 4 & 0 & 9 & 9 \\ \hline \end{array}$$

Ans: _____

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19. Divide 728 by 7.

Ans: _____

20. Peter has 36 red cars.
He has 8 times as many blue cars as red cars.
How many cars does he have altogether?

Ans: _____

21. What is the missing number in the box?
$17 \times 8 = 12 \times 8 + \boxed{?} \times 8$

Ans: _____

22.

I am a 3-digit number.
When I am divided by 8,
the quotient is 85 and the remainder is 4.
What number am I?

Ans: _____

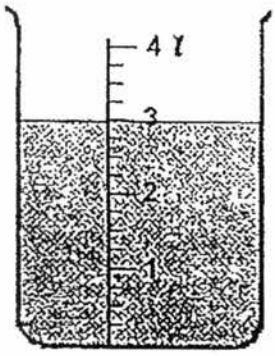
8

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23. Mary bought 72 packets of sweets.
There were 4 lemon sweets and 2 orange sweets in each packet.
How many sweets did Mary buy altogether?

Ans: _____

24. The cylinder below contains some water.
All the water is used to fill 3 identical cups and a teapot completely.
How much water is in the teapot?



Cylinder



Cups

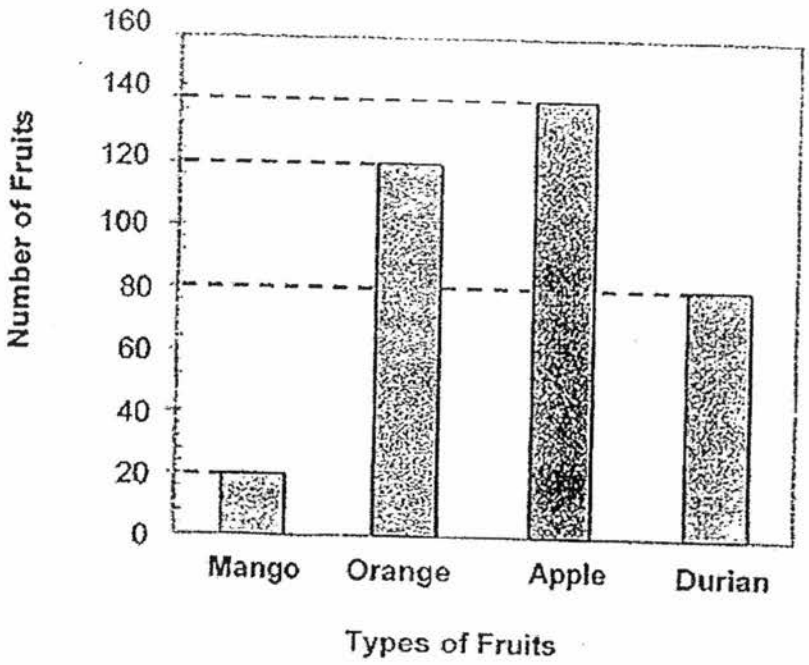

Teapot

Ans: _____ ℓ _____ mℓ

4

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25. The bar graph below shows the number of different types of fruits eaten by pupils in a week.



(a) How many more oranges than durians did the pupils eat in the week?

Ans: _____

(b) What is the total number of fruits eaten by the pupils in the week?

Ans: _____

2

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26. John painted $\frac{2}{3}$ of a wall.

Eric painted $\frac{1}{9}$ of it.

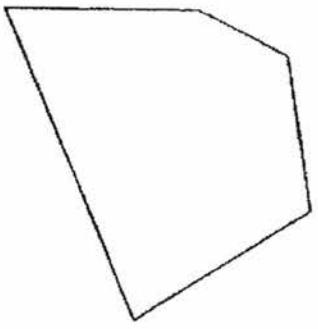
What fraction of the wall was **not** painted?

Ans: _____

27. Danny started fixing a model aeroplane at 10.55 a.m..
He finished fixing it at 4.15 p.m..
How long did Danny take to fix his model aeroplane?
(Write your answer in hours and minutes)

Ans: _____ h _____ min

28. Study the figure below.
How many angles are greater than a right angle inside the figure?



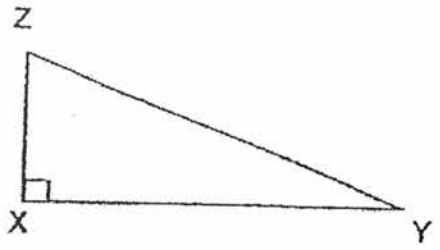
Ans: _____

6

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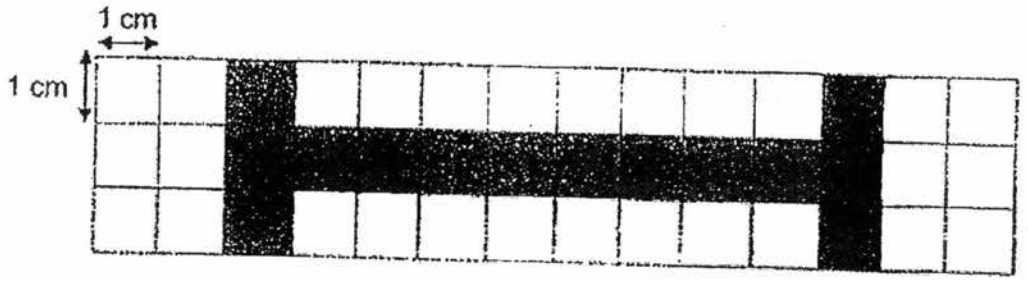
29. Study the figure below.

Which two lines are perpendicular lines?



Ans: _____ and _____

30. Find the perimeter of the shaded figure.



Ans: _____ cm

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Section C: (5 × 4 = 20 marks)

Solve each of the following problems. Show all your working and statements clearly. Write your answers in the spaces provided.

31. Miss Teo had some marbles.
She sold 2180 marbles in April.
She sold 242 fewer marbles in March than in April.
She had 75 marbles left.
(a) How many marbles were sold in March?
(b) How many marbles did she have at first?

Working

Ans: (a) _____ [2]

(b) _____ [2]

4

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32. Renee had 228 beads and Esther had 356 beads.
After Esther gave Renee some beads, Renee had three times as many beads as Esther.

(a) How many beads did they have altogether?

(b) How many beads did Renee have in the end?

Working

Ans: (a) _____ [1]

(b) _____ [3]

4

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33. Sally and Alice had $26.40 each.

Sally spent $25.20 on stationery and saved the rest.

Alice bought some notebooks at $2 each and saved twice as much as Sally.

(a) How much did Sally save?

(b) How many notebooks did Alice buy?

Working

Ans: (a) _____ [1]

(b) _____ [3]

4

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34. A chocolate bar was cut into 11 equal pieces.
Marcus ate twice as many pieces as Jenny.
There were 2 pieces of the chocolate bar left.

(a) How many pieces of the chocolate bar did Jenny eat?

(b) What fraction of the chocolate bar did Jenny eat?

Working

Ans: (a) _____ [3]

(b) _____ [1]

4

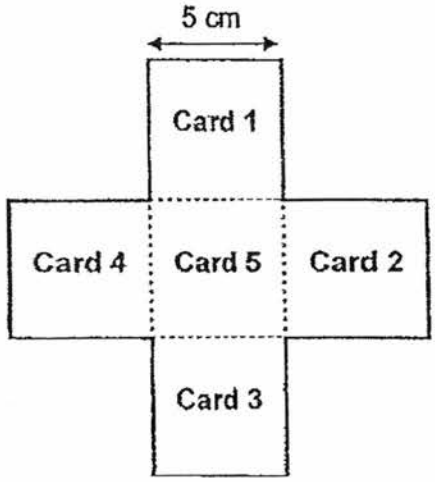
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35. John arranged five 5-cm square cards as shown in the figure below.

Working

(a) What is the perimeter of the figure?

(b) If John removes Card 1, what is the area of the remaining figure?



Ans: (a) _____ [2]

(b) _____ [2]

4

End of paper

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SCHOOL : PEI HWA PRIMARY SCHOOL
LEVEL : PRIMARY 3
SUBJECT : MATH
TERM : 2017 SA2

SECTION A

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

Q 11	Q12	Q13	Q14	Q15
3	4	4	2	4

SECTION B

Q16)	**4372**
Q17)	4265 + 300 = **4565**
Q18)	6954 – 4099 = 2855 **(Ans: 8)**
Q19)	**104**
Q20)	36 x 8 = 288 288 + 36 = **324**
Q21)	17 – 12 = **5**
Q22)	85 x 8 = 680 680 + 4 = **684**
Q23)	4 + 2 = 6 72 x 6 = **432**
Q24)	3 cups → (200 + 200 + 200) ml = 600 ml Teapot water → (3000 – 600) ml = 2400 ml = **2 L 400 ml**
Q25)	a) 120 – 80 = **40** b) 20 + 120 + 140 + 80 = **360**
Q26)	2/3 = 6/9 6/9 + 1/9 = 7/9 9/9 – 7/9 = **2/9**

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Q27)



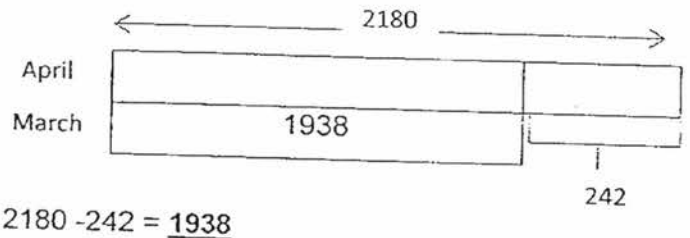
Ans : 5 h 30 min

Q28) 3

Q29) XZ and XY

Q30) (1 + 1 + 8 + 1 + 1 + 3 + 1 + 1 + 8 + 1 + 1 + 3) cm = **30 cm**

Q31)

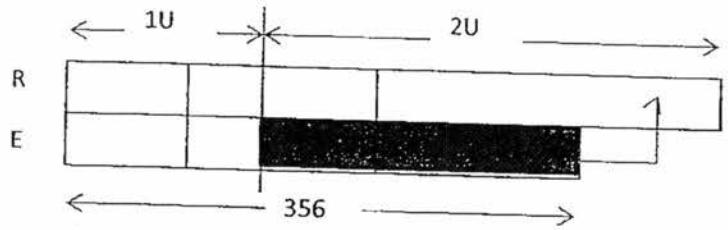


a) 2180 -242 = **1938**

b) 2180 + 1938 = 4118

4118 + 75 = **4193**

Q32)



a) 228 + 356 = **584**

b) 4U → 584

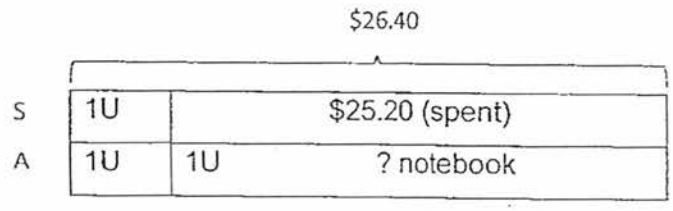
1U → 584 ÷ 4 = 146

3U → 146 x 3 = **438**

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Q33)



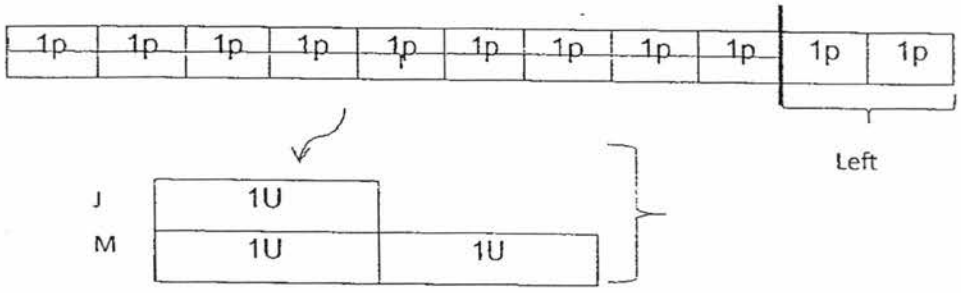
a) $26.40 - $25.20 = **$1.20**

b) $1.20 + $1.20 = $2.40

$26.40 - $2.40 = $24.00

$24 ÷ $2 = **12**

Q34)



a) Jenny ate → 9 ÷ 3 = **3**

b) 3/11

Q35)

a) Perimeter → 5 cm x 12 = **60 cm**

b) Area of one square → 5 cm x 5 cm = 25 cm^2

Area of the remaining figure → 25 cm^2 x 4 = **100 cm^2**

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