MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 3 MATHEMATICS

30 OCTOBER 2020

BOOKLET A

17 questions

30 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 3 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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Section A: 30 marks

Questions 1 to 4 carry 1 mark each. Questions 5 to 17 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 the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. In 7942, which digit is in the hundreds place?

   (1) 7
   (2) 2
   (3) 9
   (4) 4

2. What is nine thousand, seven hundred and one in numerals?

   (1) 9017
   (2) 9701
   (3) 9710
   (4) 9071

3. Which set of numbers is arranged from the smallest to the greatest?

   (1) 3452, 3542, 3524, 3254
   (2) 4890, 4980, 4908, 4098
   (3) 5679, 5697, 5769, 5796
   (4) 8997, 8897, 8879, 8789

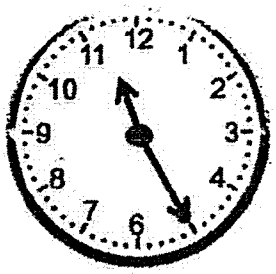
4. What is the value of 5000 – 1987?

   (1) 3012
   (2) 3013
   (3) 3123
   (4) 3187

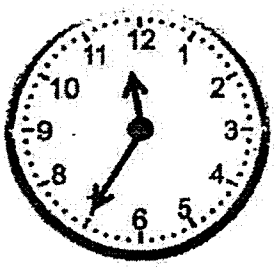
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5. Which one of the clocks below show 25 minutes to 12?

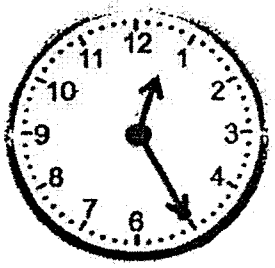
(1)



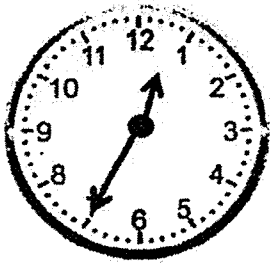
(2)



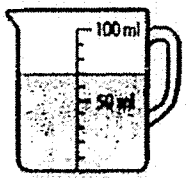
(3)



(4)



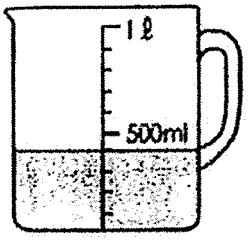
6. Which container has the most amount of water?



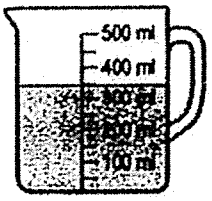
Container A



Container B



Container C



Container D

(1) A
(2) B
(3) C
(4) D

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7. Adam arranged some bricks in 7 rows. There are 6 bricks in each row.
Which of the following correctly shows the total number of bricks Adam has?

(1) 6 + 6 + 6 + 6 + 6 + 6 + 6

(2) 7 + 7 + 7 + 7 + 7 + 7 + 7

(3) 6 x 6 x 6 x 6 x 6 x 6 x 6

(4) 7 x 7 x 7 x 7 x 7 x 7 x 7

8. Evan buys 41 packets of 5 straws. He repacks them equally into bags.
Each bag contains 7 straws and some straws are left unpacked.
How many straws are left unpacked?

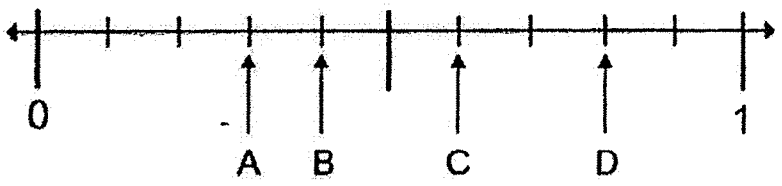
(1) 1

(2) 2

(3) 3

(4) 4

9. Which letter below represents $\frac{4}{5}$?



(1) A

(2) B

(3) C

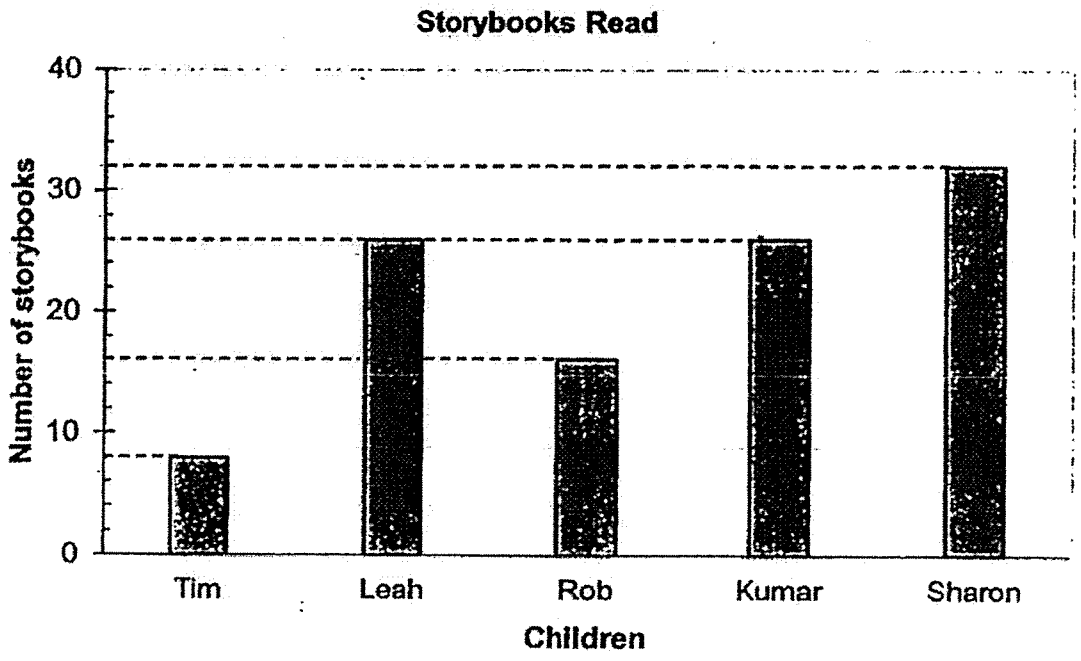
(4) D

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10. Christopher paid $2.90 for a loaf of bread. After that, he had 4 twenty-cent coins and 5 fifty-cent coins left. How much did he have at first?

(1) $3.30
(2) $3.70
(3) $5.40
(4) $6.20

11. The graph below shows the number of storybooks read by five children.

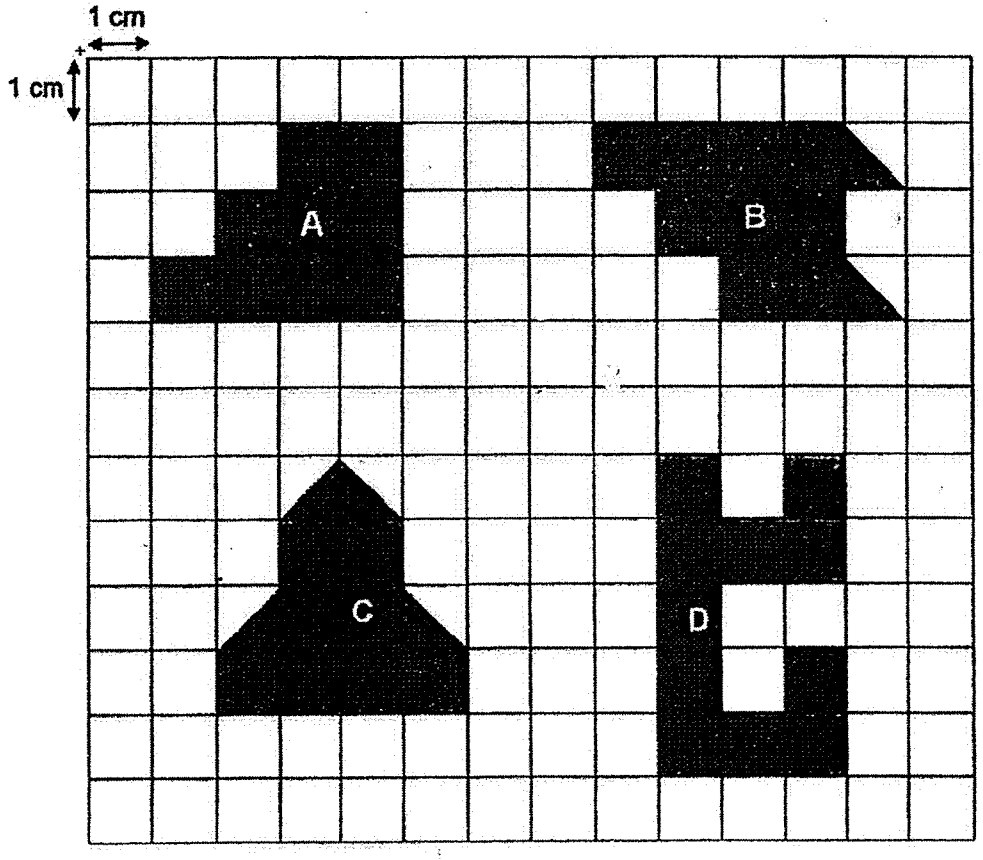


Who read twice as many storybooks as Rob?

(1) Tim
(2) Leah
(3) Kumar
(4) Sharon

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12. Figures A, B, C and D are drawn on a 1-cm grid paper.

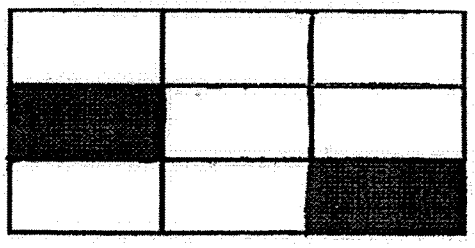


Which two figures have the same area?

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

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13. The figure is made up of 9 identical rectangles. How many **more** rectangles must be shaded so that $\frac{2}{3}$ of the figure is shaded?



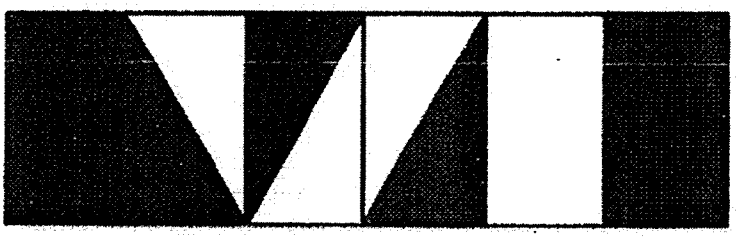
(1) 6

(2) 2

(3) 3

(4) 4

14. The figure is made up of 6 identical rectangles.
What fraction of the figure is shaded?



(1) $\frac{4}{9}$

(2) $\frac{5}{9}$

(3) $\frac{5}{12}$

(4) $\frac{7}{12}$

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15. Arrange the fractions in order, beginning with the smallest.

$$\frac{1}{2}, \frac{3}{7}, \frac{3}{5}$$

	smallest		greatest
(1)	$\frac{3}{7}$	$\frac{1}{2}$	$\frac{3}{5}$
(2)	$\frac{1}{2}$	$\frac{3}{5}$	$\frac{3}{7}$
(3)	$\frac{3}{5}$	$\frac{3}{7}$	$\frac{1}{2}$
(4)	$\frac{3}{5}$	$\frac{1}{2}$	$\frac{3}{7}$

16. The figures below are built with identical square tiles.
How many square tiles are needed for Figure 6?

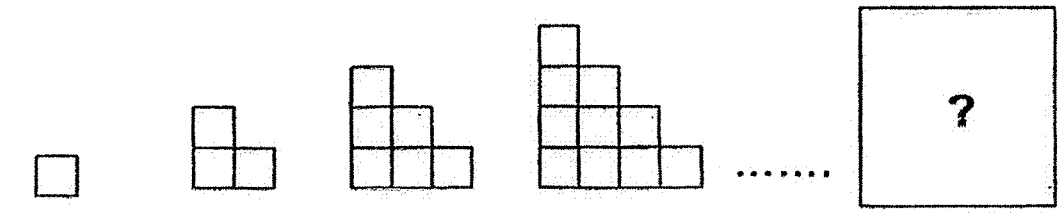
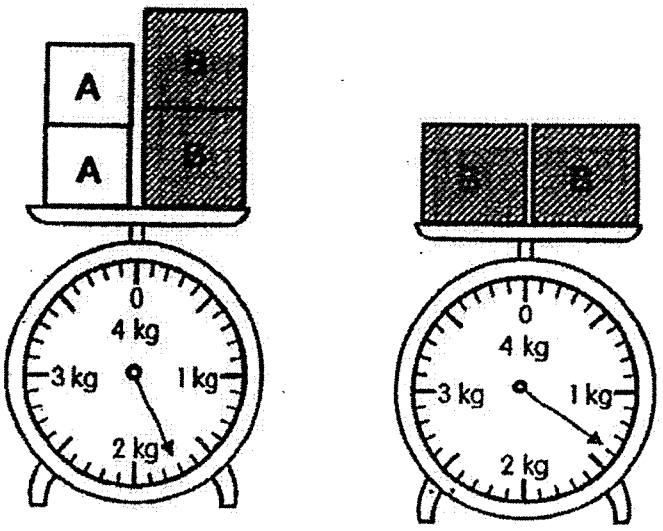


Figure 1 Figure 2 Figure 3 Figure 4 ..... Figure 6

(1) 15
(2) 20
(3) 21
(4) 28

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17. What is the mass of A ?



(1) 150 g
(2) 200 g
(3) 300 g
(4) 400 g

End of Booklet A
Go on to Booklet B

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MARIS STELLA HIGH SCHOOL (PRIMARY)
SEMESTRAL ASSESSMENT 2
PRIMARY 3 MATHEMATICS
30 OCTOBER 2020
BOOKLET B

23 questions

50 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 3 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

MARKS OBTAINED

BOOKLET A: _____ / 30

BOOKLET B: _____ / 50

TOTAL : _____ / 80

Parent's Signature: _____

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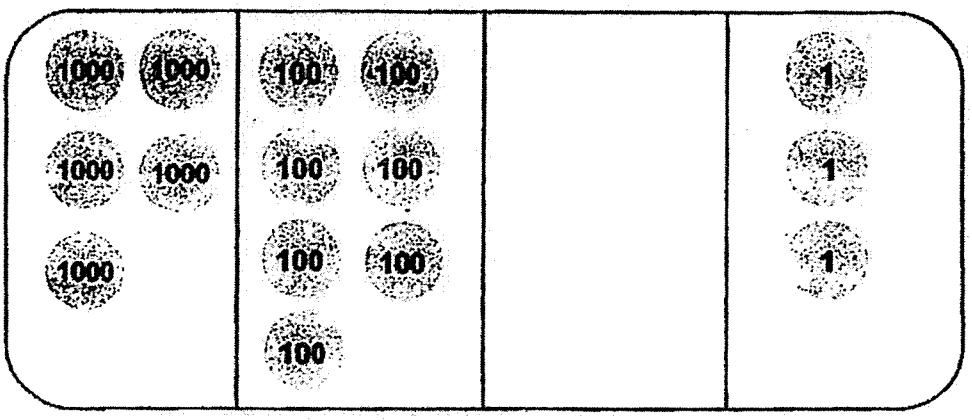
Section B: 32 marks

Questions 18 to 21 carry 1 mark each. Questions 22 to 35 carry 2 marks each.

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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18. Write the number represented by the number discs.



Answer: _____

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19. $\frac{5}{9} - \frac{1}{3} =$ _____

Answer: _____

2

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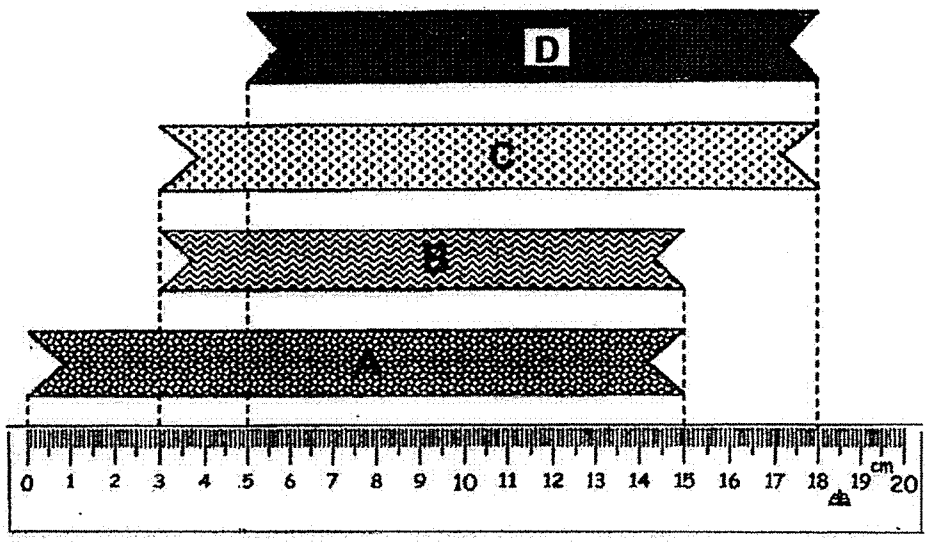
20. What is the missing number in the box?

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

Answer: _____

---

21. The length of ribbons A, B, C and D are shown below.



Which two ribbons are of the same length?

Answer: Ribbons _____ and _____

2

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22. Study the number pattern below carefully.

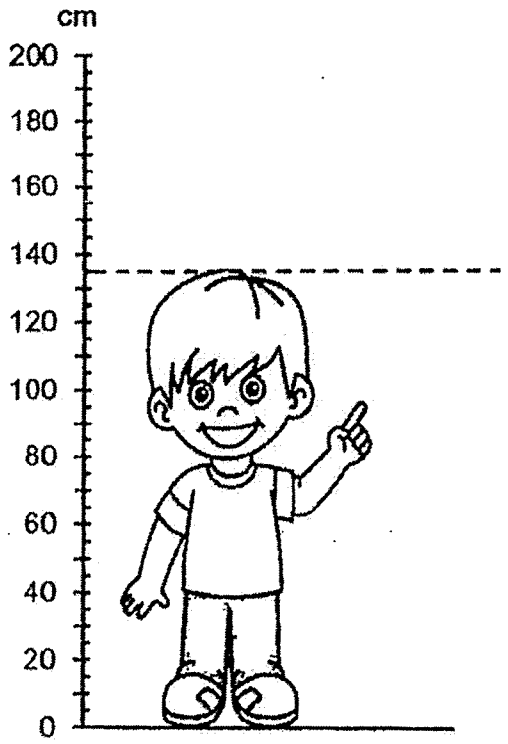
385	490	600	?	835

Fill in the box with the correct answer.

Answer: _____

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23. What is the height of the boy below? Give your answer in m and cm.

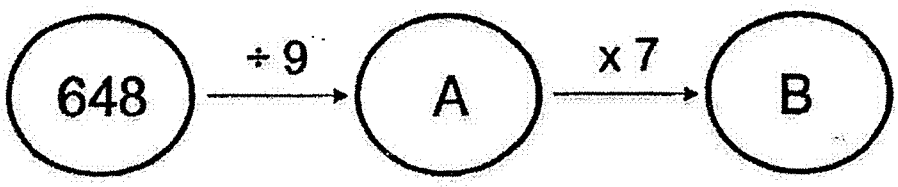


Answer: _____ m _____ cm

4

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24. Find the values of A and B.



Answer: A = _____

B = _____

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25. Johnny had a collection of game cards.
After giving away 969 game cards, he had 864 game cards left.
How many game cards did Johnny have at first?

Answer: _____

4

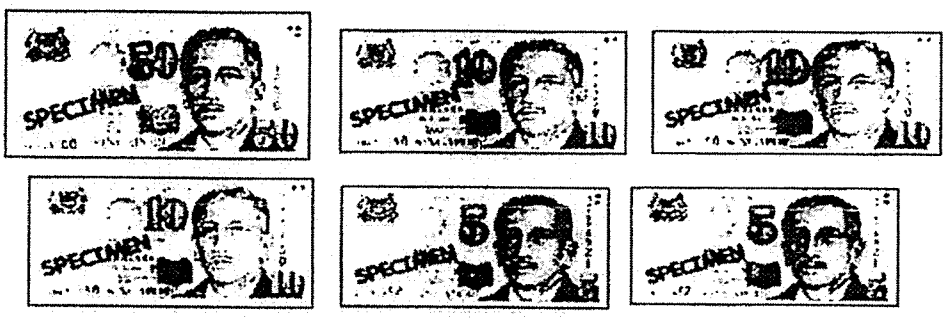
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26. Hassan has 7 times as many comic books as adventure books.
He has 56 comic books.
How many adventure books does he have?

Answer: _____

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27. Joshua had the following notes in his wallet at first.



He bought a tennis racket for $57.40 and a skateboard for $24.60.
How much money had he left?

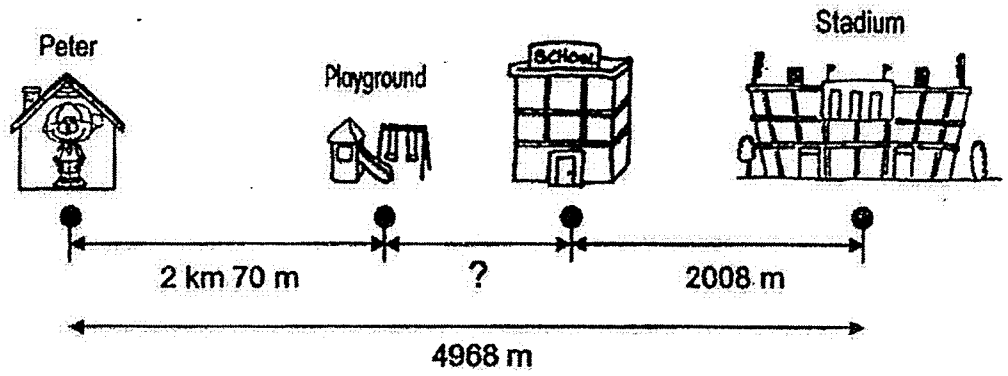
Answer: $ _____

4

497

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28. Study the picture below carefully.

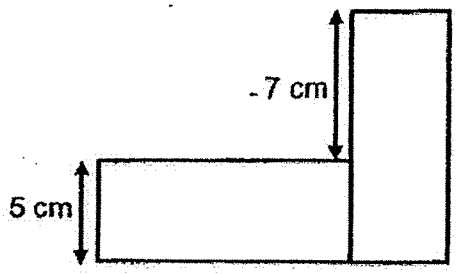


To get to the stadium, Peter has to pass by the playground and the school.
He walked a total distance of 4968 m from his home to the stadium.
How far is the school from the playground? Give your answer in metres.

Answer: _____ m

---

29. The figure below is made up of two identical rectangles.
What is the area of **one** rectangle?



Answer: _____ cm²

4

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30. The table below shows the start time and end time of movies showing in three different halls in a cinema.

Movie	Start Time	End Time
Superwoman	2.35 p.m.	4.20 p.m.
The Monkey King	3.10 p.m.	5.15 p.m.
Up and Down	4 p.m.	6.25 p.m.

Rachel watched the movie that lasted 1 hour 45 minutes.
Which movie did she watch?

Answer: _____

---

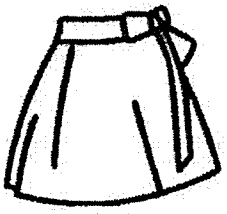
31. Rita took 45 minutes to sew a blouse. She took another 35 minutes to sew a skirt. She started sewing the blouse at 1.15 p.m.

Blouse



45 minutes

Skirt



35 minutes

What time was it when Rita completed the skirt?

Answer: _____ p.m.

4

499

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32. The cost of 4 pots and 3 kettles is $246.
The cost of 2 pots and 3 kettles is $180.
What is the cost of one pot?

Answer: $ _____

---

33. Alex is heavier than Bob but lighter than Carl.
Carl is heavier than Daniel.
Based on the information given, each of the following statements is either **True, False** or **Not Possible to Tell.**

For each statement, put a tick (✓) in the correct column to indicate your answer.

Statement	True	False	Not Possible to Tell
(a) Carl is the heaviest.			
(b) Daniel is heavier than Bob.			

4

500

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34. Ahmad is forming the **smallest** 4-digit number using the clues below.

- All the digits are different.
- The digit in the ones place is the greatest odd number.
- The digits in the hundreds place and the tens place add up to 13.

What is the number?

Answer: _____

---

35. Xavier, Yani and Zachary had 60 marbles altogether.
Yani had 5 more marbles than Xavier.
Zachary had 3 times as many marbles as Yani.
How many marbles did Yani have?

Answer: _____

4

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Section C: 18 marks

Questions 36 and 37 are 3 marks each. Questions 38 to 40 are 4 marks each.

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

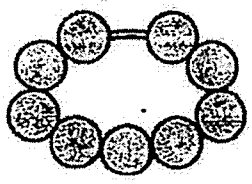
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36. Sally has 765 blue beads.

She has 153 more red beads than blue beads.

She uses 9 red beads to make a bracelet.

How many bracelets can she make with all her **red** beads?



Working Column

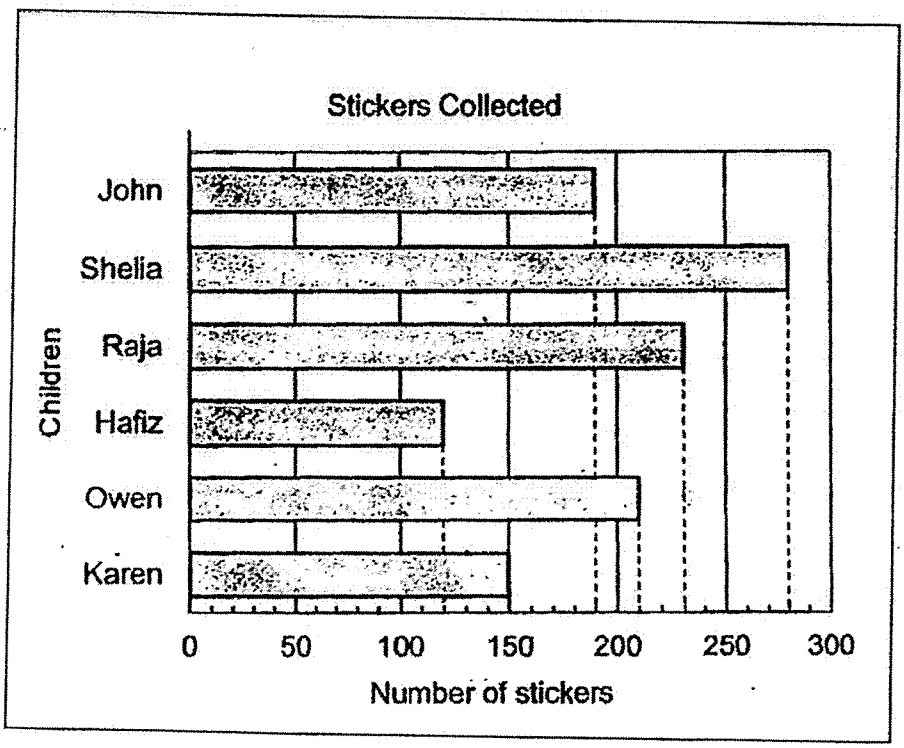
Answer: _____ [3]

3

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37. The bar graph shows the number of stickers six children collected.

Working Column



(a) Who collected the least number of stickers?

(b) How many stickers should Shelia give to John so that they have an equal number of stickers in the end?

Answer: (a) _____ [1]

(b) _____ [2]

3

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38. A bakery is having a promotion.
For every 10 cupcakes a customer buys, he / she gets one more cupcake free.

Working Column



Mrs Toh buys 60 cupcakes.

(a) How many free cupcakes does Mrs Toh get?

(b) A box can contain 8 cupcakes. All of Mrs Toh's cupcakes are put in boxes. At least how many boxes are used to contain her cupcakes?

Answer: (a) _____ [1]

(b) _____ [3]

4

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39. Four identical rectangles are used to form Figure 1.
The breadth of each rectangle is 6 cm.
The length of each rectangle is twice its breadth.

Working Column

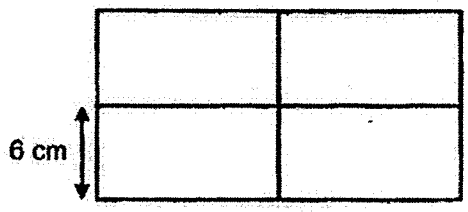


Figure 1

(a) Find the perimeter of Figure 1.

Answer: (a) _____ cm [2]

(b) Figure 2 is formed after one of the rectangles in Figure 1 is removed.

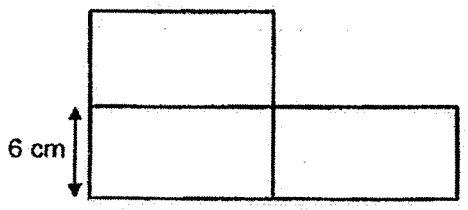


Figure 2

Circle the correct answer for each of the statements below. [2]

(i) The area of Figure 2 is (greater than / the same as / smaller than) the area of Figure 1.

(ii) The perimeter of Figure 2 is (greater than / the same as / smaller than) the perimeter of Figure 1.

4

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40. Baker Smith paid $142 for 67 kg of flour.
He paid with four $50 notes.

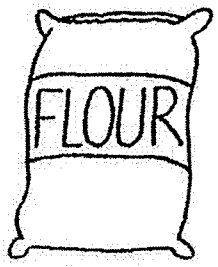
(a) How much change did Baker Smith receive?

(b) Baker Smith received his 67 kg of flour in 17 bags.
Each of these bags contained 2 kg or 5 kg of flour.
How many bags of 5-kg flour did he receive?



Bag of
2-kg flour

OR



Bag of
5-kg flour

Working Column

Answer: (a) $_____ [1]

(b) _____ [3]

4

End of Booklet B
Please check your work carefully.

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ANSWER KEY

YEAR : 2020
LEVEL : PRIMARY 3
SCHOOL : MARIS STELLA HIGH SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

BOOKLET A

Q1	3	Q2	2	Q3	3	Q4	2	Q5	2
Q6	3	Q7	1	Q8	2	Q9	4	Q10	4
Q11	4	Q12	2	Q13	4	Q14	4	Q15	1
Q16	3	Q17	1						

BOOKLET B

Q18	5703
Q19	$\frac{2}{9}$
Q20	9
Q21	A and C
Q22	715
Q23	1m 35cm
Q24	a=72 b=504
Q25	1833
Q26	8
Q27	$5.40+24.60=$82 $90-$82=$8
Q28	4968-2070=2898 2898-2008=890m
Q29	60cm2
Q30	Superwoman
Q31	2.35 p.m.
Q32	$33
Q33	a) True b) Not possible to tell
Q34	1589
Q35	13

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BOOKLET C

Q36	765+153=918 918÷9=102
Q37	a) Hafiz b) 280-190=90 90÷2=45
Q38	a) 6 b)66÷8=8 R1 8+1=9
Q39	a) 12+12+12+12+6+6+6+6=72cm bi) Smaller than bii) The same as
Q40	a) $200-$142=$58 b) 11

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