METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

END-OF-YEAR EXAMINATION 2019
PRIMARY 3
MATHEMATICS

(BOOKLET A)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ (   )

Class: Primary 3.

Date: 24 October 2019

This booklet consists of 9 printed pages including this page.

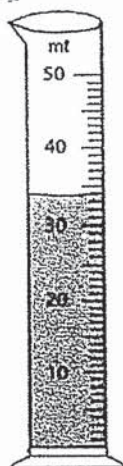## Section A
Questions **1** to **4** carry 1 mark each.
Questions **5** to **16** carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer
Sheet.   (28 marks)

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1   In 6 045, which digit is in the tens place?

    (1)   0

    (2)   6

    (3)   5

    (4)   4

2

What is the volume of the water shown above?

    (1)   34 mℓ

    (2)   36 mℓ

    (3)   44 mℓ

    (4)   46 mℓ

3    $\triangle \times \triangle = 49$

What is the value of $\triangle$?

(1)   6

(2)   7

(3)   8

(4)   9

4   Remy and his friends played a game of basketball for 1 h 30 min.
They started at 4.00 p.m.
At what time did they finish their game?

(1)   3.30 p.m.

(2)   4.30 p.m.

(3)   5.30 p.m.

(4)   6.30 p.m.

5   What is the sum of the values of the digit 2 in 6 123 and 207?

(1)   180

(2)   184

(3)   220

(4)   230

6   What is 50 ÷ 8?

    (1) 2 R 6
    (2) 5 R 5
    (3) 6 R 2
    (4) 6 R 8

7   Netty and Jamie have 2 497 paper clips in all. Netty has 514 paper clips.
    How many more stickers does Jamie have than Netty?

    (1) 1 469

    (2) 1 983

    (3) 2 183

    (4) 3 011

Refer to the graph to answer questions 8 and 9.
The graph below shows the number of people working at the different places in the neighbourhood.
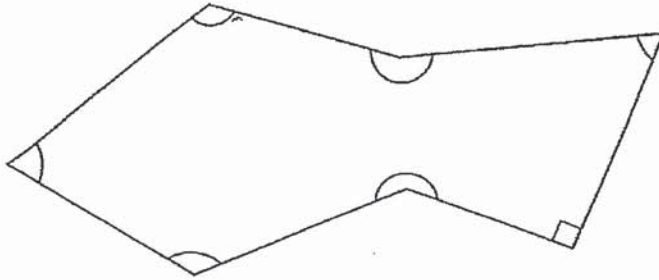
Number of people working at the places in the neighbourhood
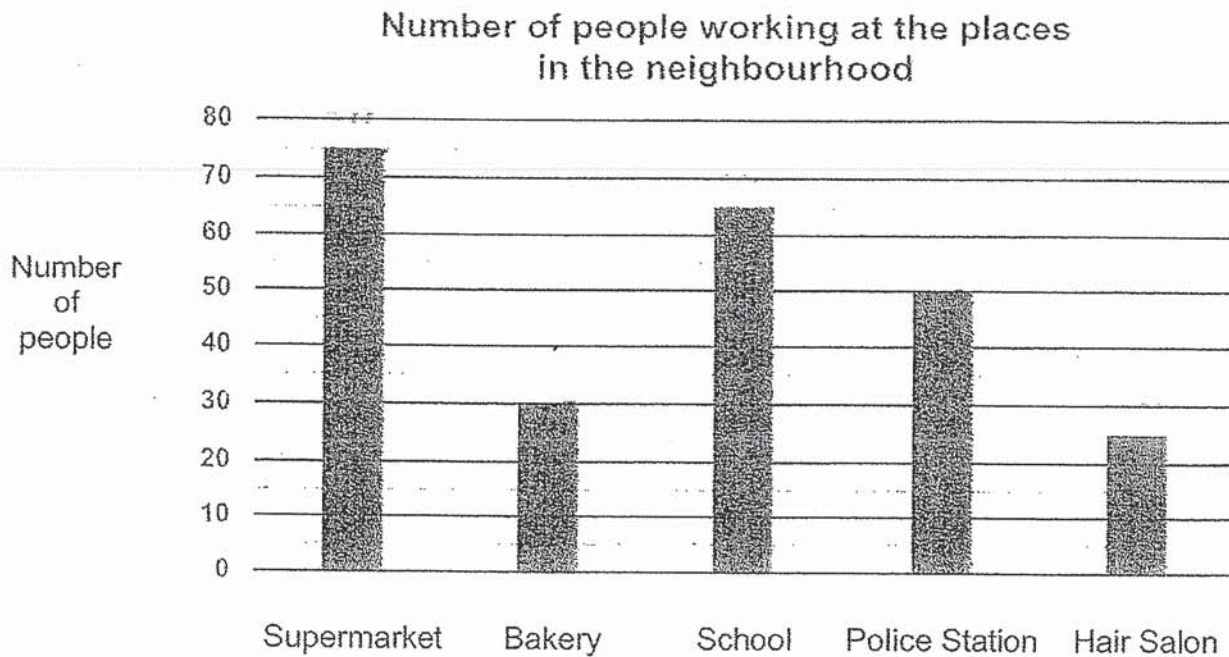
8   Which place in the neighbourhood had thrice the number of workers as workers in the Hair Salon?

   (1)   Bakery
   (2)   School
   (3)   Supermarket
   (4)   Police Station

9   What is the total number of people working in the Police Station and the School?

   (1)   80
   (2)   110
   (3)   115
   (4)   120

10   How many of the marked angles is/are obtuse angles?
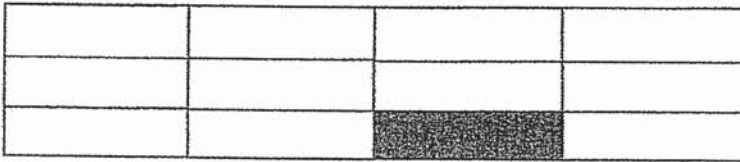

(1) 1
(2). 2
(3) 3
(4) 4

11   Complete the number pattern below.

5 259, 5 609, 5 959, 6 309, _____, 7 009

(1)   5 959
(2)   6 274
(3)   6 344
(4)   6 659

12   The figure below is made up of rectangles.

How many more rectangles must be shaded to show $\frac{1}{4}$ of the figure shaded?

(1) 1

(2) 2

(3) 3

(4) 4

13   Alice bought a necklace which cost $15.40. She paid with four $5 notes.
How much change did she receive?

(1) $4.60

(2) $5.60

(3) $6.40

(4) $20.00

14 Rectangle P is made up of 6 identical squares.

Each square has a side of 2 cm.

What is the area of Rectangle P?

2 cm
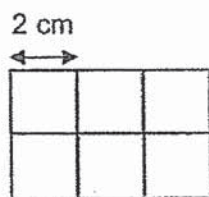
Rectangle P

(1)   10 cm²

(2)   20 cm²

(3)   24 cm²

(4)   48 cm²

15 What is the mass of the durian?
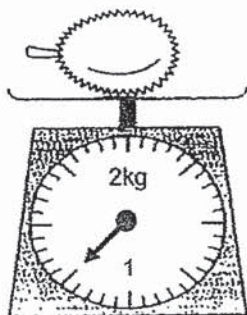
(1)   1 kg 50 g

(2)   1 kg 100 g

(3)   1 kg 250 g

(4)   1 kg 500 g

16   There are 279 children going on a school trip. There are 6 buses and each bus
      can seat 45 children. How many children will not have a seat?

      (1) 9
      (2) 8
      (3) 7
      (4) 6

Go on to Booklet B

METHODIST GIRLS' SCHOOL (PRIMARY)
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END-OF-YEAR EXAMINATION 2019
PRIMARY 3
MATHEMATICS

(BOOKLET B)

<u>Total Time</u>
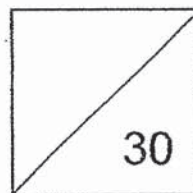
Sections A to C: 1 hour 45 minutes

<u>INSTRUCTIONS TO CANDIDATES</u>

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Answer all questions.

Name: _____ (   )

Class: ⸰ Primary 3._____

Date :   24 October 2019

30

This booklet consists of 10 printed pages including this page.

Section B
Questions **17** to **22** carry 1 mark each.
Questions **23** to **34** carry 2 marks each.
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.   (30 marks)

17   Arrange the following fractions from the smallest to the greatest.

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

Ans: _____, _____, _____, _____
         (smallest)   (greatest)

18   What number is 2 tens more than 7 034?

Ans: _____

19   Zac has 1 870 stamps. Chloe has 302 fewer stamps than Zac.
      How many stamps does Chloe have?

Ans: _____

(Go on to the next page)

20 A table and a chair cost $2 385. The chair costs $1 500. How much does the table cost?
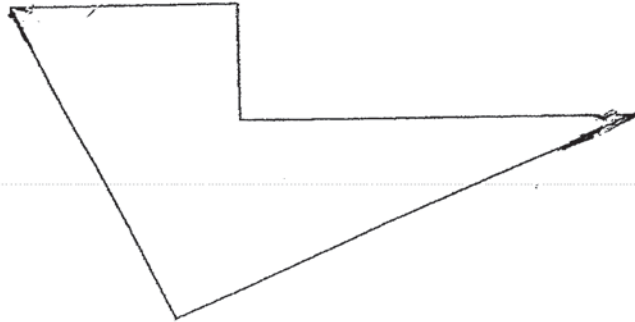
Ans: $ _____

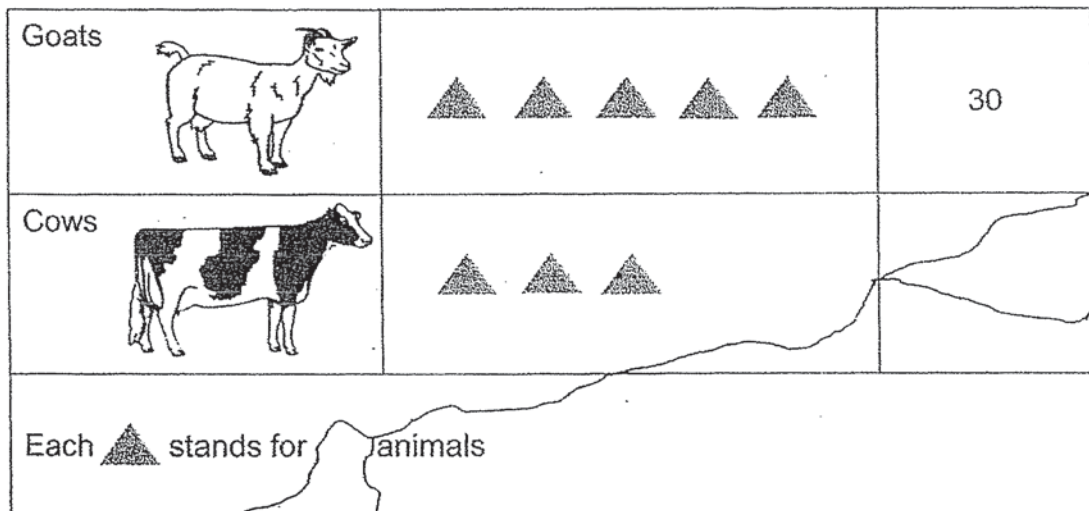**21** Express $\frac{10}{12}$ in its simplest form.

Ans: _____

22 How many tens are there in the product of 8 and 5?

Ans: _____ tens

23 There are 2 angles **inside** the figure that are smaller than a right angle. Mark out these 2 angles.

24 Mina went to the farm and saw different types of animals. She drew a picture graph on the number of each type of animal she saw.

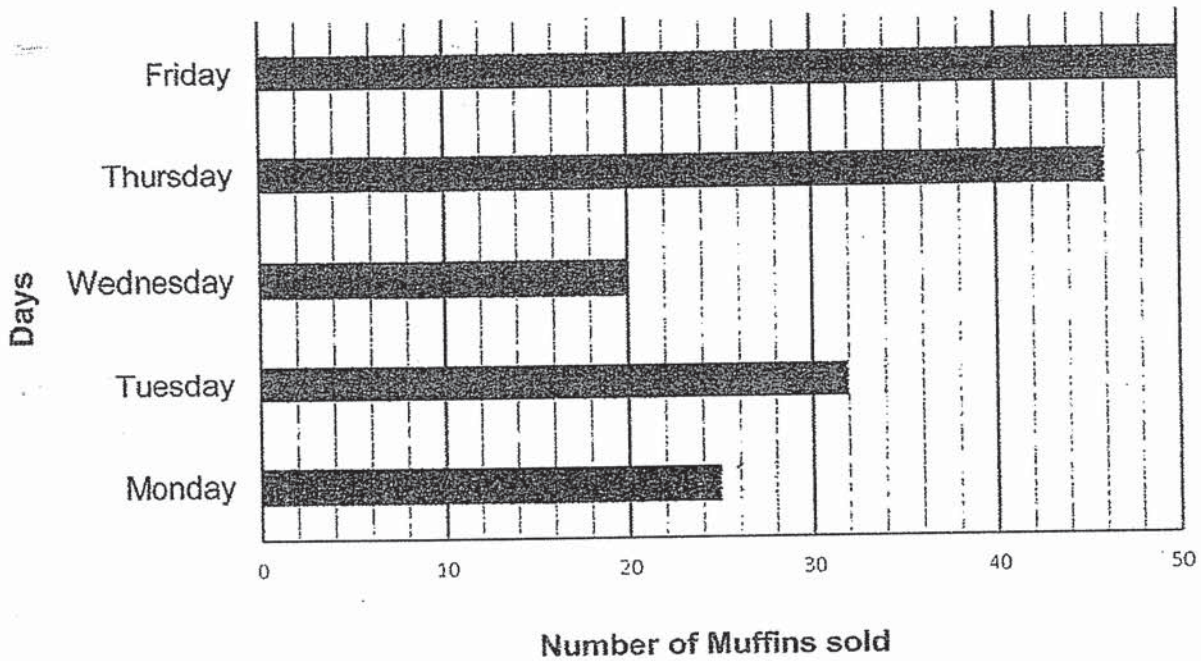| Goats		▲ ▲ ▲ ▲ ▲	30
Cows		▲ ▲ ▲	
Each ▲ stands for _____ animals			

Her brother accidentally tore her graph. How many cows did she see?

Ans: _____

(Go on to the next page)

The graph below shows the number of muffins sold in a week at Esther's bakery. Study it carefully and answer question 25.

Number of Muffins sold

25   What is the **total** number of muffins sold from Monday to Wednesday?

Ans: _____

26 The signboard below is placed on the window of Blackmore Bakery.

| Opening Hours: 10.30 a.m. – 4.30 p.m. |
| Open every day |

The bakery is open for _____ h every day.

Ans: _____ h

27 Lucy bought a packet of sugar. It weighed 2 500 g.
She used 1 405 g of it to bake a cake and 15 g of it to make a cup of tea.
How much sugar had she left?

Ans: _____ g

28 Rajah packed 72 oranges equally into bags of 8. Each bag is sold at $6.
He sold all the bags of oranges to his customers.
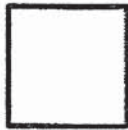How much money did he receive altogether?

Ans: $_____

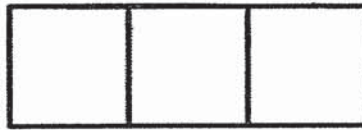**29**

$$\frac{2}{5} + \frac{3}{10} = \boxed{?}$$

Ans: _____

30 Square A has a perimeter of 16 cm.
Rectangle B is made up of 3 squares each exactly the same size as Square A.
What is the perimeter of Rectangle B?

Square A

Perimeter = 16 cm

Rectangle B

Perimeter = ? cm

Ans: _____ cm

31 Using a set-square and a ruler, draw a line **perpendicular** to AB passing through the Point C.
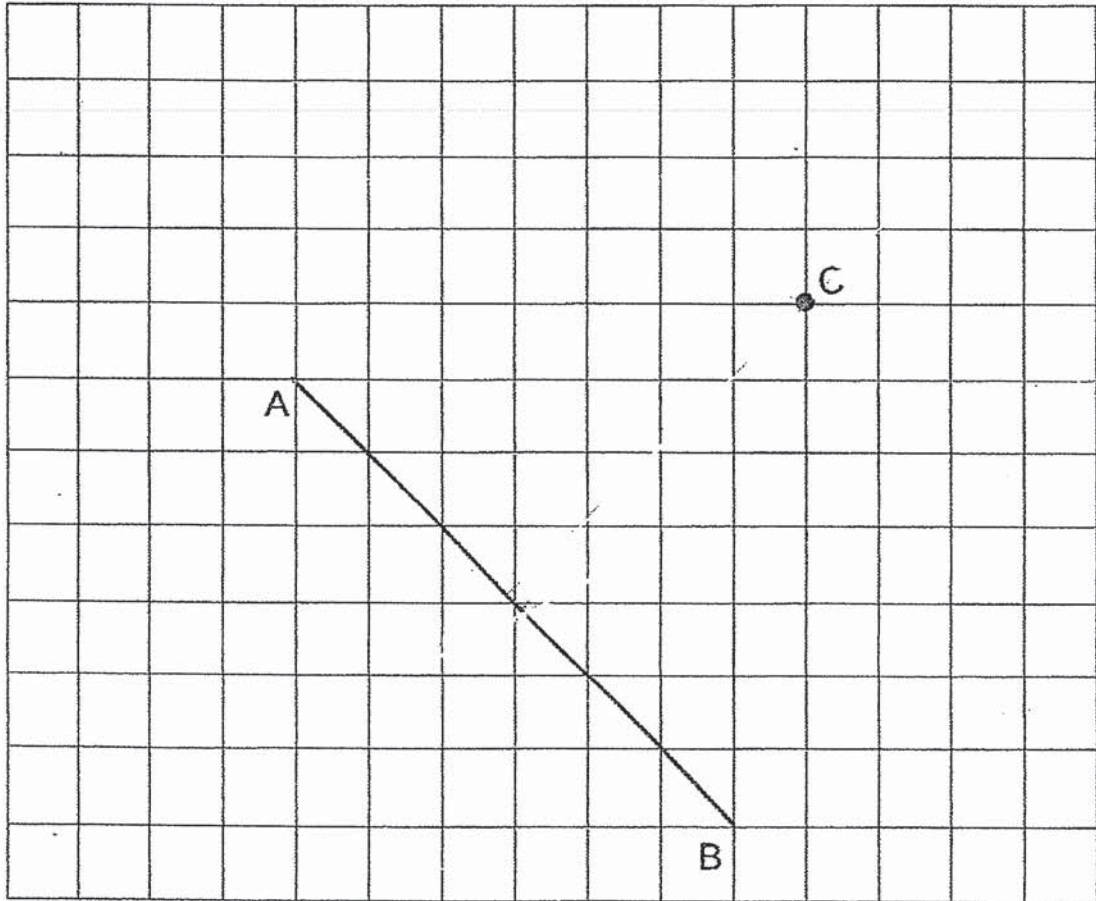
32 Aminah prepared 4 ℓ of guava juice for a party.
    She prepared 1 850 mℓ more guava juice than apple juice.
    What was the volume of juices she prepared altogether?
    Write your answer in litres and millilitres.

Ans: _____ ℓ _____ mℓ

33 Ben had $500. He bought a shirt for $164.
    He gave the rest of the money equally to his 3 children.
    How much did each child get?

Ans: $_____

34 Omar is at a stationery shop.
He has $20 to buy 3 different items from the list below.
He buys a notebook.
What are the other **two** different items he can buy with the remaining money?

notebook

$8.50

pencil

$3.00

calculator

$9.00

pen

$8.90

crayons

$8.30
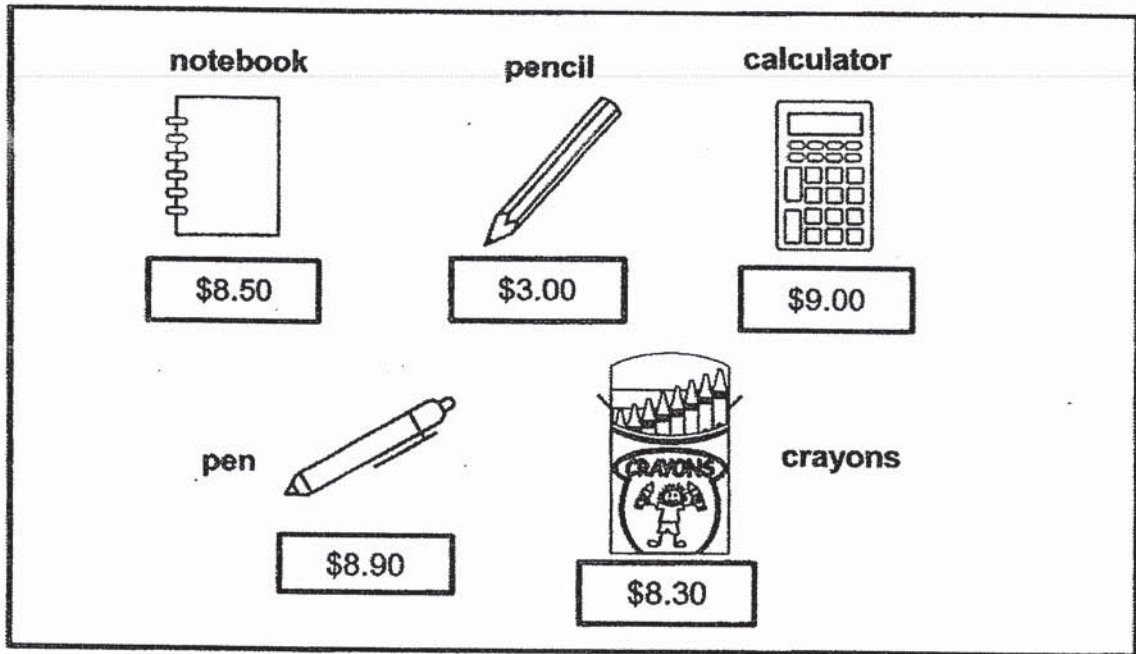
Ans: _____ and

_____ .

Go on to Booklet C

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PRIMARY 3
MATHEMATICS

(BOOKLET C)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 24 October 2019

Parent's Signature: _____

Booklet A	/ 28
Booklet B	/ 30
Booklet C	/ 22
TOTAL	/ 80

This booklet consists of 7 printed pages including this page.

Section C
For questions **35** to **40**, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [   ] at the end of each question or part-question.   (22 marks)

35   Wei Hong scored 3 572 points in a computer game.

Gavin scored 79 points more than Wei Hong.

(a) How many points did Gavin score?

(b) What was their total score?

Ans: (a)_____[2]

(b)_____[1]

36 Michelle has 7 packets of sweets. There are 115 sweets in each packet.

She repacks all the sweets equally into 5 boxes.

How many sweets are there in each box?

Ans: _____ [3]

37 Nora ate $\frac{1}{2}$ of a chocolate cake.

Janet ate $\frac{3}{12}$ of the same cake.

(a) What fraction of the cake did they eat altogether?

(b) What fraction of the cake was left?

Give both answers in the **simplest** form.

Ans: (a)_____[2]

(b)_____[2]
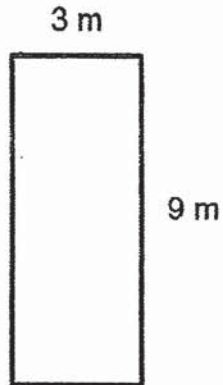
38 The length and breadth of the rectangle below, not drawn to scale, are 9 m and
    3 m respectively.

    The square on the right has the same perimeter as the rectangle.

    (a) Find the perimeter of the rectangle.

    (b) Find the area of the square.

3 m

9 m

Ans: (a)_____[2]

(b)_____[2]

39   Janet and Nora had 652 stickers in total.

After Janet gave 19 stickers to Nora, Janet had thrice as many stickers as Nora.

(a) How many stickers did Nora have in the end?

(b) How many stickers did Janet have at first?

Ans: (a)_____ [2]

(b) _____ [2]

40 Kayla received some $2 and $5 notes from her mother.
She received 24 pieces of notes. She had $72 altogether.
How many pieces of $2 and $5 notes did she receive?

Ans: _____ pieces of $2 notes

_____ pieces of $5 notes [4]

End of Paper

SCHOOL   :   MGS PRIMARY SCHOOL

LEVEL   :   PRIMARY 3
SUBJECT :   MATH
TERM   :   2019 SA1

BOOKLET A

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

Q11	Q12	Q13	Q14	Q15	Q16
4	1	3	2	1	2

BOOKLET B

Q 17)	Two thousand, six hundred and forty-five.
Q18)	3980 , 3908 , 3890 , 3098
Q19)	8725
Q20)	$3000 - 1245 = 1755$
Q21)	$215 \div 4 = 53$
Q22)	$5460 - 100 = 5360$
Q23)	$6 \times 6 = 4 \times 6 + \boxed{12}$
Q24)	4.45
Q25)	$1467 + 859 = 2326$
Q26)	$187 - 58 = 129$ $129 + 187 = 316$
Q27)	$30 \times 8 = 240$ $240 \div 6 = 40$
Q28)	8347

Q29)	$36 \times 6 = 216$ $216 + 100 = 316$
Q30)	$36 \div 4 = 9$
Q31)	$A = 35 + 7 = 42$ $B = 42 + 7 = 49$
Q32)	$\$45.80 - \$12.30 = \$33.50$
Q33)	$470 + 120 + 210 = 800m$
Q34)	$25 \times 6 = 150g$
Q35)	a)$3520 + 2186 = 5706$ b)$3520 - 2186 = 1334$
Q36)	a)$24 \times 5 = 120$ b)$120 \div 3 = 40$
Q37)	a)$100 \div 3 = 33 \text{ R1} \approx 34$ b)$34 \times 7 = 238$
Q38)	$15 \times 2 = 30$ $30 + 22 + 33 = \$85$
Q39)	a)Highlightёr and stapler b)$10.00 - 4.50 = 5.50$ $2.10 + 2.50 = 4.60$ $4.50 + 4.60 = 9.10$ $10.00 - 9.10 = 90¢$
Q40)	$120 \div 3 = 40$ $40 \times 2 = 80$