SA1

METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

MID-YEAR EXAMINATION 2021

PRIMARY 4

MATHEMATICS

(SECTION 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.

Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: _____ ( )

Class : Primary 4. _____

Date : 18 May 2021

36

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SECTION A: 36 marks

Questions **1** to **18** carry 2 mark 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.

1 Fifty-six thousand, two hundred and four written as numeral is _____.

(1) 5 624
(2) 56 024
(3) 56 204
(4) 56 240

2 Which one of the following is equal to 37 056?

(1) 37 000 + 500 + 6
(2) 37 000 + 500 + 60
(3) 30 000 + 700 + 50 + 6
(4) 30 000 + 7000 + 50 + 6

3 Which one of the following numbers has the digit '5" in both the tens and thousands places?

(1) 57 058
(2) 57 085
(3) 75 058
(4) 75 085

(Go on to the next page)

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4 Which one of the following is the first common multiple of 6 and 8?

(1) 12
(2) 24
(3) 32
(4) 48

5 Which one of the following is **not** a factor of 28?

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

6 Express $\frac{42}{8}$ as a mixed number.

(1) $4\frac{2}{8}$
(2) $5\frac{1}{2}$
(3) $5\frac{1}{4}$
(4) $\frac{1}{4}$

(Go on to the next page)

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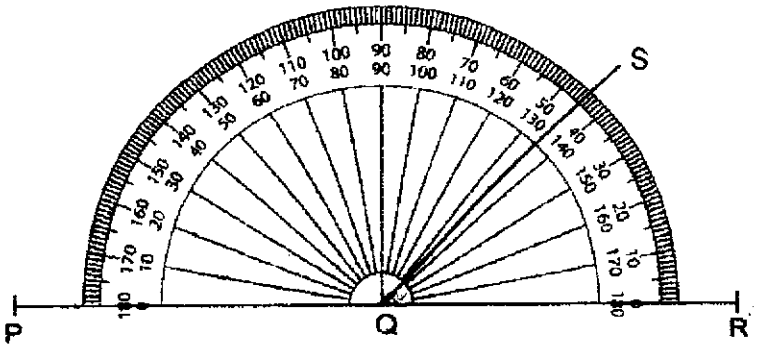
7 2345 bottles of water were given out daily at a concert. How many bottles of water were given out for 6 days?

(1) 12 840
(2) 14 070
(3) 14 670
(4) 16 220

8 Which one of the following numbers is the smallest possible number to give 55 000 when rounded to the nearest 1000?

(1) 54 499
(2) 54 501
(3) 54 500
(4) 54 999

9 What is $\angle SQR$?



(1) 45°
(2) 55°
(3) 135°
(4) 145°

(Go on to the next page)

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10 Arrange the following from the greatest to the smallest.

$$\frac{2}{3} \quad , \quad \frac{1}{2} \quad , \quad \frac{7}{12}$$

(greatest) *(smallest)*

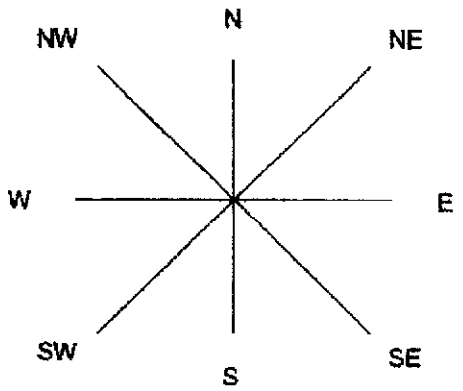
(1) $\frac{1}{2}$, $\frac{2}{3}$, $\frac{7}{12}$

(2) $\frac{1}{2}$, $\frac{7}{12}$, $\frac{2}{3}$

(3) $\frac{7}{12}$, $\frac{1}{2}$, $\frac{2}{3}$

(4) $\frac{2}{3}$, $\frac{7}{12}$, $\frac{1}{2}$

11 Titus is facing North-West. If he turns in an anti-clockwise direction, what is the angle that he needs to turn to face south?



(1) 90°

(2) 135°

(3) 225°

(4) 270°

(Go on to the next page)

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12 Ali bought a rope which was 28 m long. He used $\frac{2}{7}$ of it to tie some boxes.

What was the length of rope he used?

(1) 8 m
(2) 2 m
(3) 14 m
(4) 4 m

13 Packet A contains $\frac{5}{6}$ kg of flour. It has $\frac{1}{4}$ kg more flour than Packet B.

How much flour are there in Packet B? Give your answer in the simplest form.

(1) $\frac{3}{5}$ kg
(2) 2 kg
(3) $\frac{7}{12}$ kg
(4) $1\frac{1}{12}$ kg

(Go on to the next page)

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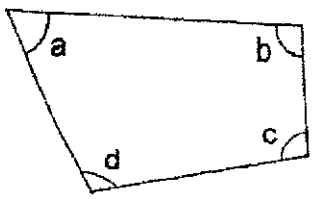
14 In the figure below, which angle is smaller than a right angle?



(1) ∠a

(2) ∠b

(3) ∠c

(4) ∠d

15 Mei Ling needs to prepare 216 bouquets of 8 roses each.
How many roses does she need in total?

(1) 27

(2) 208

(3) 224

(4) 1728

(Go on to the next page)

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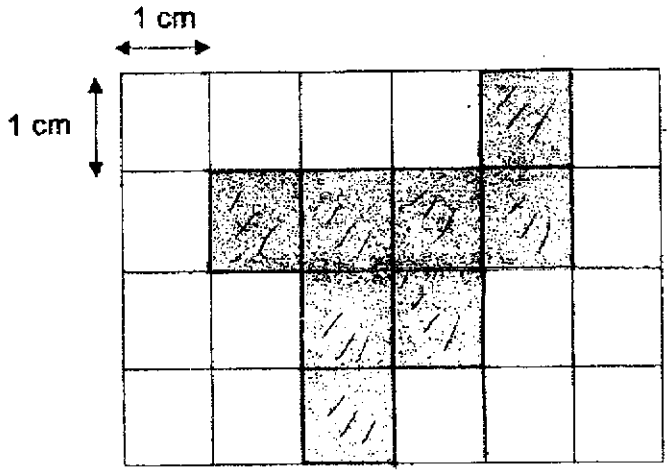
16 Gopal bought 7 identical watches at $275 each. He was then left with $28. How much money had Gopal at first?

(1) $1495
(2) $1523
(3) $1925
(4) $1953

17 What is the area of the shaded figure?



(1) 6 cm²
(2) 8 cm²
(3) 16 cm²
(4) 23 cm²

(Go on to the next page)

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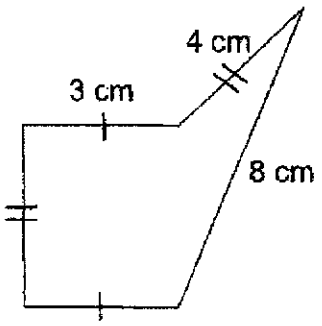
18 Find the perimeter of the following figure.



(1) 19 cm

(2) 21 cm

(3) 22 cm

(4) 23 cm

END OF SECTION A

(Go on to Section B)

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METHODIST GIRLS' SCHOOL (PRIMARY)

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MID-YEAR EXAMINATION 2021

PRIMARY 4

MATHEMATICS

(SECTION B)

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 4. _____

Date: 18 May 2021

SECTION A	36
SECTION B	36
SECTION C	28
TOTAL	100

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SECTION B: 36 marks

Questions **19** to **36** carry 2 marks each. Write your answers in the spaces provided.

For questions which require units, give your answers in the units stated.

Do not write in this space

19 _____ is 1000 less than 32 186.

Ans: _____

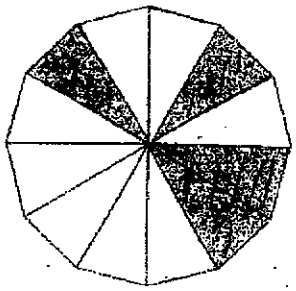
20 Use the digits below to form the smallest 5-digit odd number.

The digit in the hundreds place is twice the digits in the tens place.

0, 1, 2, 3, 4

Ans: _____

21 How many more triangles must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Ans: _____

(Go on to the next page)

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22 Siti writes a number on a piece of paper. The number is more than 10 but less than 20. It is a factor of 24. It is also a multiple of 3. What is the number written by Siti?

Do not write in this space

Ans: _____

23 What is the missing number in the box? Complete the number pattern.

2 450	2 650	2 850	?	3 250

Ans: _____

24 Sarah spent \$54 on art materials. She spent $\frac{2}{9}$ of her money on crayons. She spent the rest on paint. How much did she spend on paint?

Ans: \$ _____

(Go on to the next page)

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25 $\frac{43}{5} = 8\frac{\square}{10}$

What is the missing number in the box?

Do not write in this space

Ans: _____

26 A tin of cookies weighed 250 g. Miss Lim ordered 24 such tins of cookies. What was the total mass of cookies Miss Lim ordered?

Ans: _____ g

(Go on to the next page)

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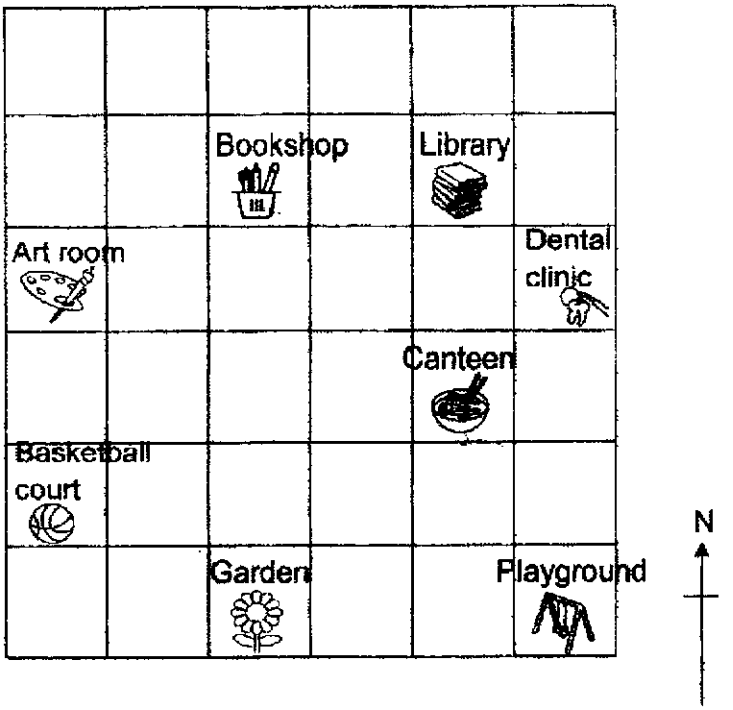
Use the information below to answer **Questions 27 and 28.**

The square grid below shows the plan of a school.

Do not write in this space



27 (a) Jessie is at the Dental clinic. In which direction is the Art room from the Dental clinic?

(b) Peter is at the bookshop facing East. If he wants to face the canteen, he has to turn through an angle of _____ clockwise direction.

Ans:(a) _____

(b) _____

26 Jane is in the canteen facing North. She then turned 225° in a clockwise direction. Which place would Jane be facing?

Ans: _____

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29 In the space below, draw $\angle EFG = 68°$
The line EF has been drawn for you. Mark and label the angle.

Do not write in this space

E F

30 An **even** number when rounded to the nearest hundred is 6 500.
What is the greatest possible value of this number?

Ans: _____

(Go on to the next page)

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31 Chef Chan prepared some beef pies and 4302 chicken pies.
The number of chicken pies is 9 times the number of beef pies.
How many beef pies did Chef Chan prepare?

Do not write in this space

Ans: _____

32 Muffins are sold in boxes of 8.
Jenny needs 100 muffins for a party.
What is the least number of boxes of muffins she should buy?

Ans: _____

(Go on to the next page)

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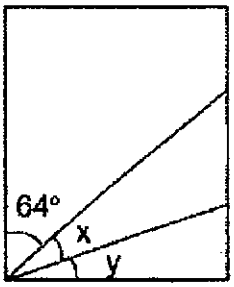
33 The figure below shows a rectangle. ∠ x is equals to ∠ y.

What is ∠y?

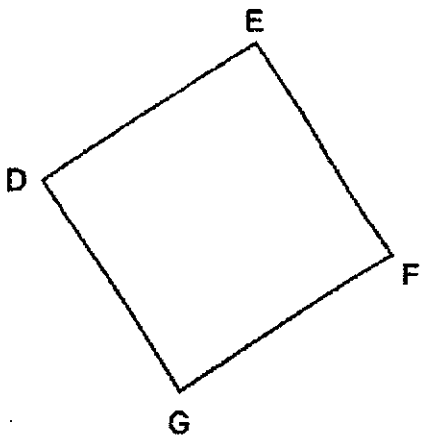


Do not write in this space

Ans: _____ °

34 DEFG is a square.

Name a pair of perpendicular and parallel lines.



Ans: (a) _____ ⊥ _____

(b) _____ // _____

(Go on to the next page)

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Do not write in this space

35 A bag of onions weighs $\frac{1}{10}$ kg. It weighs $\frac{3}{5}$ kg lighter than a bag of potatoes.

What is the total mass of a bag of onions and a bag of potatoes?

Give your answer in its simplest form.

Ans: _____ kg

36 The difference between two strings is $\frac{2}{9}$ m. The longer string is $\frac{5}{6}$ m. What is the length of the shorter string? Give your answer in its simplest form.

Ans: _____ m

END OF SECTION B (Go on to Section C)

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METHODIST GIRLS' SCHOOL (PRIMARY)

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MID-YEAR EXAMINATION 2021

PRIMARY 4

MATHEMATICS

(SECTION C)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

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Follow all instructions carefully.

Answer all questions.

Name: _____ ( )

Class: Primary 4. _____

Date : 18 May 2021

28

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Section C: 28 marks

Show your working clearly in the space provided for each question and write your answers in the space provided. The number of marks available is shown in the brackets [ ] at the end of each question or part question.

Do not write in this space

37 Ravi has 4 times as much money as Bala. They have $6000 in total.

(a) How much money has Bala?

(b) How much more money has Ravi than Bala?

Ans: (a) _____ [2]

(b) _____ [1]

38 Alice scored 120 points less than Betty.
Cathy scored 54 points more than Alice.
They scored a total of 1518 points.
How many points did Alice score?

Ans: _____ [3]

(Go on to the next page)

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39 John is thinking of a 3-digit number.
When this number is divided by 4 or 6, it does not have a remainder.
The number is between 121 and 135.
What is the number John is thinking of?

Do not write in this space

Ans: _____ [3]

40 There are a total of 121 apples, oranges and pineapples in a basket.
66 of them are apples and 15 are oranges. What fraction of the fruits are made up of oranges and pineapples?

Ans: _____ [3]

(Go on to the next page)

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Do not write in this space

41 There was $\frac{11}{12}$ ℓ of water in a tank. Raju used $\frac{1}{3}$ ℓ of it to water his plants.

The next day, he added $\frac{3}{4}$ ℓ of water into the tank.

(a) How much water was left in the tank after Raju watered his plants?

(b) How much water was there in the tank in the end? Give your answer as a mixed number in the simplest form.

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

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42 A printer cost $300 less than a tablet.

A school paid $9630 for 2 tablets and 5 printers.

What was the cost of 1 printer?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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43 Two bakers prepared 2928 buns each.

Baker A packed the buns he prepared into packets of 6.

Baker B packed the buns he prepared into packets of 4.

(a) How many packets of 6 buns were packed by Baker A?

(b) How many more packets of buns did Baker B pack than Baker A?

Do not write in this space

Ans: (a) _____ [1]

(b) _____ [3]

(Go on to the next page)

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44 Ali, Meng and Raju had 473 marbles altogether.
Meng had 3 times as many marbles as Ali.
Raju had 68 marbles more than Ali.
How many marbles did Meng have?

Do not write in this space

Ans: _____ [4]

END OF PAPER

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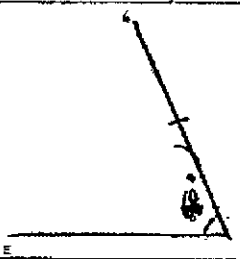
ANSWER KEY

YEAR : 2021
LEVEL : Primary 4
SCHOOL : Methodist Girls' School (Primary)
SUBJECT : MATHEMATICS
TERM : Mid-Year Examination

Section A

Q1	3	Q2	4	Q3	3	Q4	2	Q5	3
Q6	3	Q7	2	Q8	3	Q9	1	Q10	4
Q11	2	Q12	1	Q13	3	Q14	1	Q15	4
Q16	4	Q17	2	Q18	3				

Section B & C

Q19	32186-1000=31186	Q20	10423
Q21	$\frac{3}{4}=\frac{9}{12}$ 9-4=5	Q22	12
Q23	2850+200=3050	Q24	$54\div 9=6$ $6\times 2=12$ 54-12=42
Q25	$\frac{43}{5}=\frac{86}{10}$ $=8\frac{6}{10}$ Ans : 6	Q26	$250\times 24=6000$
Q27	(a) West (b) 45	Q28	Garden
Q29		Q30	6548
Q31	$4302\div 9=478$	Q32	$100\div 8=13R4$ 12+1=13
Q33	90-64=26 $26\div 2=13$	Q34	(a) EF $\perp FG$ (b) DG $\parallel EF$

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Q35	$\frac{1}{10}+\frac{1}{10}+\frac{6}{10}=\frac{8}{10}$ $=\frac{4}{5}$	Q36	$\frac{5}{6}-\frac{2}{9}=\frac{30}{36}-\frac{8}{36}$ $=\frac{22}{36}$ $=\frac{11}{18}$
Q37	(a) $6000\div 5=\$1200$ (b) $1200\times 4=4800$ 4800-1200=$3600	Q38	1518-120-54=1344 $1344\div 3=448$
Q39	Multiple of 4 = 128, 132,136 Multiple of 6 = 126, 132, 138 Common multiple = 132 Ans : 132	Q40	121-66-15=40 40+15=55 $\frac{55}{121}=\frac{5}{11}$
Q41	(a) $\frac{11}{12}-\frac{1}{3}=\frac{11}{12}-\frac{4}{12}$ $=\frac{7}{12}\ell$ (b) $\frac{7}{12}+\frac{3}{4}=\frac{7}{12}+\frac{9}{12}$ $=\frac{16}{12}$ $=1\frac{4}{12}$ $=1\frac{1}{3}\ell$	Q42	300+300=600 9630-600=9030 $9030\div 7=\$1290$
Q43	(a) $2928\div 6=488$ (b) $2928\div 4=732$ 732-488=244	Q44	473-68=405 $405\div 5=81$ $81\times 3=243$

2

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