

NANYANG PRIMARY SCHOOL

**SECOND SEMESTRAL EXAMINATION
2017**

**PRIMARY 4
MATHEMATICS**

DURATION: 1 HOUR 45 MINUTES

Section A	/ 30
Section B	/ 40
Section C	/ 30

Total: / 100

Name: _____ ()

Class: Primary 4 ()

Date: 26 October 2017

Any query on marks awarded should be raised by **8 November 2017**.
We seek your understanding in this matter as any delay in the
confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

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

1. The following table shows the number of students who appeared for the examination in different subjects.

Subject	Number of Students
Mathematics	120
Science	150
English	180
Hindi	100
Social Studies	140

2. The following table shows the marks obtained by the students in different subjects.

Subject	Mark
Mathematics	85
Science	90
English	95
Hindi	80
Social Studies	88

3. The following table shows the marks obtained by the students in different subjects.

Subject	Mark
Mathematics	75
Science	80
English	85
Hindi	70
Social Studies	78

4. The following table shows the marks obtained by the students in different subjects.

Subject	Mark
Mathematics	65
Science	70
English	75
Hindi	60
Social Studies	68

5. The following table shows the marks obtained by the students in different subjects.

Section A

Questions 1 to 15 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.

(Total: 30 marks)

1. 10 thousands and 3 tens is the same as _____.

(1) 103
(3) 10 003

(2) 1030
(4) 10 030

2. Complete the following number pattern.

6, 10, 14, _____, _____, 26, 30

(1) 15, 16
(3) 18, 19

(2) 15, 25
(4) 18, 22

3. 43 239 rounded to the nearest hundred is _____.

(1) 43 200
(3) 43 240

(2) 43 230
(4) 43 300

4. How many one-thirds are there in 2 wholes?

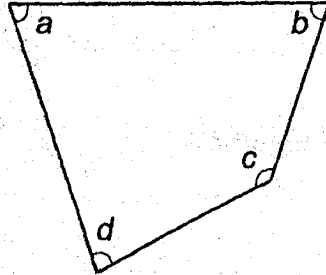
(1) $1\frac{1}{2}$

(2) $\frac{2}{3}$

(3) 3

(4) 6

5. In the figure below, which angle is greater than a right angle?



- | | |
|----------------|----------------|
| (1) $\angle a$ | (2) $\angle b$ |
| (3) $\angle c$ | (4) $\angle d$ |
6. In which of the following numbers does the digit 6 stand for 6 tenths?
- | | |
|-----------|-----------|
| (1) 13.62 | (2) 24.16 |
| (3) 65.84 | (4) 76.49 |
7. Find the product of the 9th multiple of 8 and the 6th multiple of 7.

- | | |
|----------|----------|
| (1) 114 | (2) 432 |
| (3) 1728 | (4) 3024 |

8. Isabella packed 3139 sweets equally into 9 boxes and found out that 7 sweets were left. How many sweets were there in each box?

(1) 348 (2) 349
(3) 350 (4) 448

9. A jug contained $\frac{3}{4}$ l of water at first. Rosy poured another $\frac{2}{3}$ l of water into it and $\frac{1}{6}$ l of water overflowed. What was the capacity of the jug?

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

10. A pole was 2.3 m long. 1.75 m of the pole was painted blue and the rest was painted white. What was the length of the pole that was painted white?

(1) 0.55 m (2) 0.65 m
(3) 1.45 m (4) 1.55 m

11. The mass of a box containing 5 identical soft toys is 3.6 kg. The mass of the empty box is 0.75 kg. What is the mass of each soft toy?

- | | |
|-------------|-------------|
| (1) 0.57 kg | (2) 0.72 kg |
| (3) 0.87 kg | (4) 2.85 kg |

12. The figure below is made up of 2 identical squares. The perimeter of the figure is 126 cm.



What is the length of 1 side of the square?

- | | |
|-----------|-----------|
| (1) 18 cm | (2) 21 cm |
| (3) 36 cm | (4) 42 cm |

13. A television programme started at 10 55 and ended at 11 23. How long was the programme?

- | | |
|------------|------------|
| (1) 28 s | (2) 68 s |
| (3) 1680 s | (4) 4080 s |

Section B

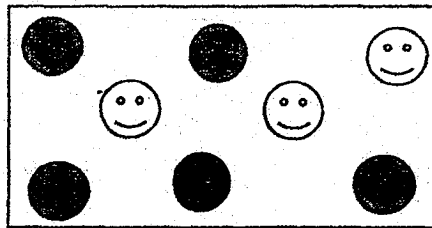
Questions 16 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

16. Some factors of 18 are 1, 2, 6 and 18. What are the other two factors of 18?

Answer : _____ and _____

17. What fraction of the ☺ shown are grey in colour?



Answer : _____

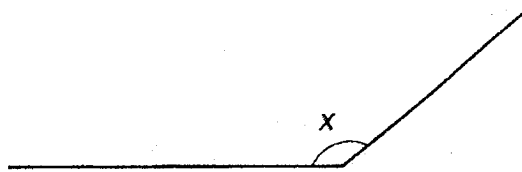
18. Write $\frac{29}{4}$ as a mixed number in its simplest form.

Answer : _____

19. Find the value of $1 - \frac{3}{8} - \frac{1}{4}$.

Answer : _____

20. Measure and write down the size of $\angle x$.



Answer : _____°

21. $7.4 - 0.86 =$ _____

Answer : _____

22. Find the value of 6.17×9 .

Answer : _____

23. Round 54.55 to the nearest whole number .

Answer : _____

24. Arrange the following numbers from the smallest to the greatest.

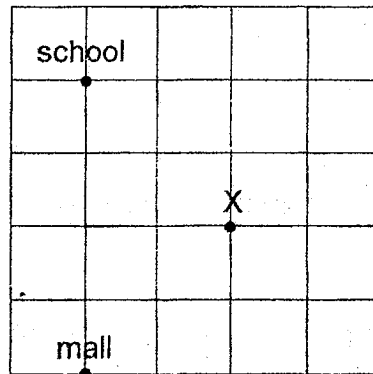
$$\frac{3}{5}, 0.605, 0.065$$

Answer : _____ , _____ , _____
(smallest) (greatest)

25. Faizal saved \$2809 each month. How much did he save in 7 such months?

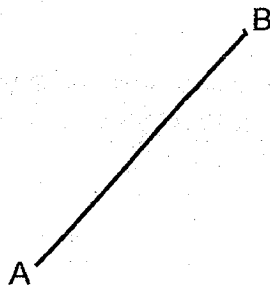
Answer : \$ _____

26. Nelly was facing the mall at point X at first. She then made an anti-clockwise turn and ended up facing the school. How many degrees anti-clockwise had she turned?

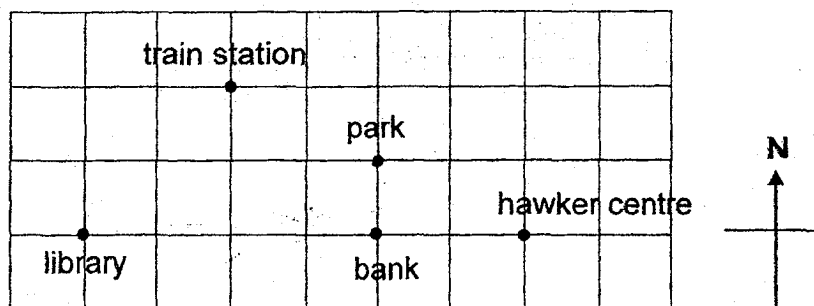


Answer : _____ °

27. Using a protractor and a ruler, draw $\angle ABC = 110^\circ$. Mark and label the angle. The line AB has been drawn for you.



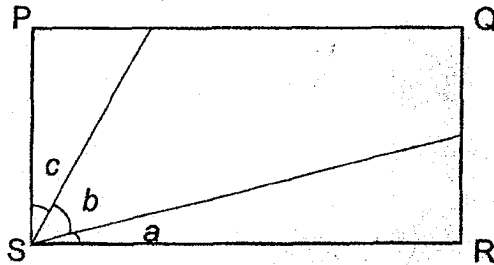
28. The square grid below shows some of the locations in Town Y.



John stood at one of the locations in Town Y. The train station was to John's North-West and the hawker centre was to his East. Which one of the locations in Town Y did John stand at?

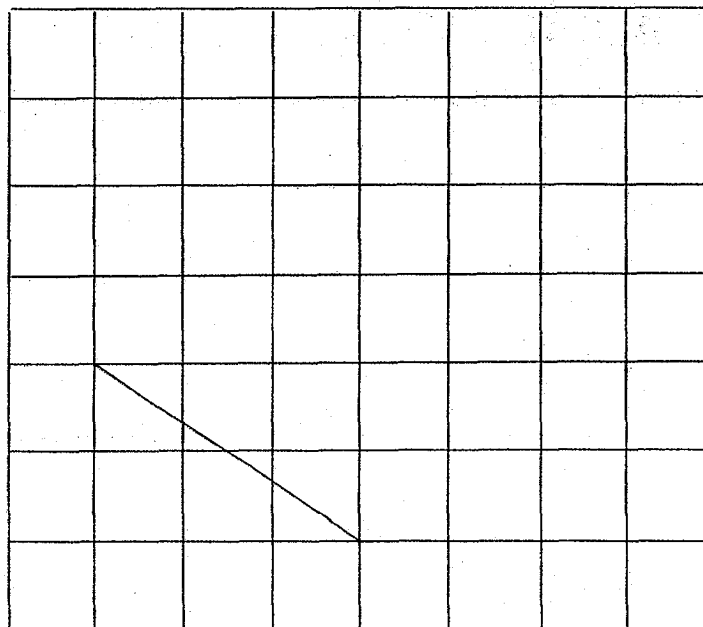
Answer : _____

29. In the figure below, PQRS is a rectangle. $\angle c$ is twice of $\angle a$ and $\angle a$ is 15° . Find the value of $\angle b$.



Answer : _____ °

30. In the grid below, one side of a square is drawn. Complete the square by drawing the other sides of the square in the grid below.





Class	4A	4B	4C	4D	Total
No. of pupils	32	36	?	?	143

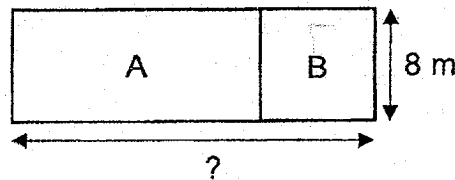
There are 15 more pupils in 4D than 4C. How many pupils are there in 4C?

Answer : _____

33. The area of a square is 81 m^2 . What is the length of the square?

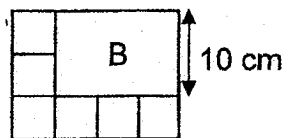
Answer : _____ m

34. The figure below is made up of Rectangle A and Square B. Rectangle A has an area of 136 m^2 and Square B has sides of 8 m . Find the length of the figure.



Answer : _____ m

35. The figure below is made up of 6 identical squares and Rectangle B. The breadth of Rectangle B is 10 cm . Find the area of the figure.



Answer : _____ www.sgexam.com

Section C

Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 30 marks)

-
36. Zalman had 51.8 kg of rice at first. His mother gave him 3 times the amount of rice he had at first. He then packed all the rice into 7 equal packets. What was the mass of each packet of rice?

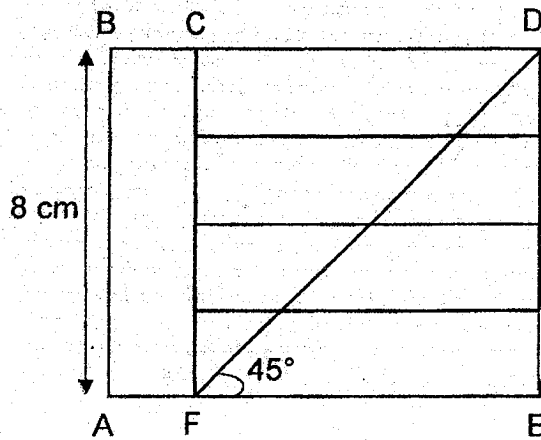
Ans: _____ [3]

-
37. Zhao Wei started driving from Singapore to Kelantan at 07 30. He drove for 4 h and took a 1 h 15 min break. Then he drove for another 5 h 16 min before he reached Kelantan. At what time did he reach Kelantan? Give your answer in 24-hour clock.

Ans: _____ [3]

38. The figure below is made up of 5 identical rectangles. The length of AB is 8 cm and $\angle DFE = 45^\circ$.

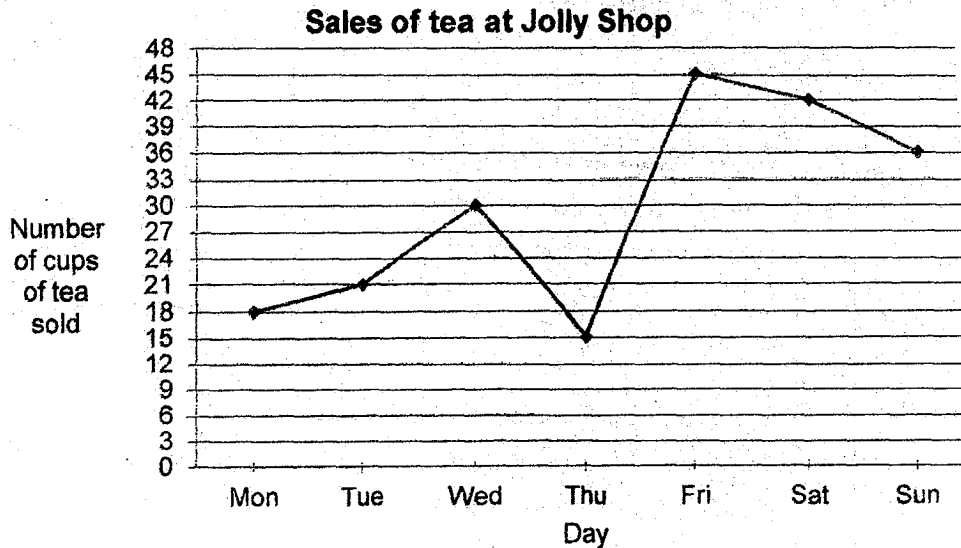
- Find the length of BD.
- Find $\angle CFD$.



Ans: (a) _____ [3]

(b) _____ [1]

39. The line graph below shows the number of cups of tea sold at Jolly Shop over a week.



- a) On which day did the shop sell the least number of cups of tea?

Ans: _____ [1]

- b) On which day was the sale of number of cups of tea thrice that of Thursday?

Ans: _____ [1]

- c) What was the total number of cups of tea sold on Saturday and Sunday?

Ans: _____ [1]

- d) What was the decrease in the number of cups of tea sold from Wednesday to Thursday?

Ans: _____ [1]

40. Letchmi bought some pens and some pencils. The number of pencils bought was 3 times the number of pens bought. The price of each pencil was \$0.80. The price of each pen was twice the price of each pencil.

- (a) What was the price of each pen?
- (b) She paid a total of \$24 for the pens and pencils.
How many pencils did she buy?

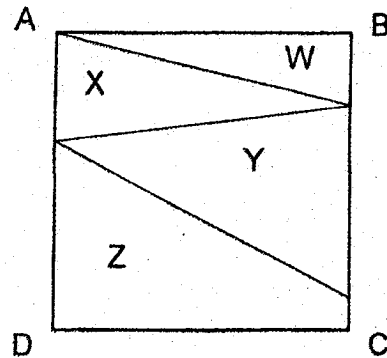
Ans: (a) _____ [1]

(b) _____ [3]

41. Keith and Richard had the same number of toy cars at first. When Keith gave away 112 toy cars and Richard lost 70 toy cars, Richard then had 4 times as many toy cars as Keith. How many toy cars did they have altogether at first?

Ans: _____ [4]

42. Study the figure below. The area of W is $\frac{1}{8}$ of the area of Square ABCD. The area of X is $\frac{1}{6}$ the area of Square ABCD.



- (a) The area of Y is the sum of area of W and X.
What fraction of Square ABCD is Y?
Leave your answer in the simplest form.
- (b) What fraction of Square ABCD is Z?
Leave your answer in the simplest form.

Ans: (a) _____ [2]

(b) _____ [2]

43. John did a quiz with 20 questions and attempted all of them. For each correct answer obtained, he got 5 marks. For each wrong answer obtained, 2 marks were deducted. He scored a total of 65 marks. How many correct answers did he get?

Ans: _____ [4]

SCHOOL : NANYANG PRIMARY SCHOOL
 LEVEL : PRIMARY 4
 SUBJECT : MATH
 TERM : 2017 SA2

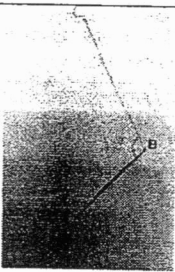
CONTACT :

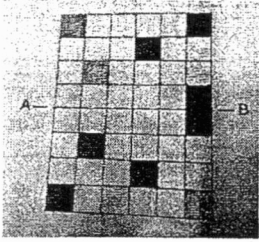
SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	4	1	4	3	1	4	1	2	1
Q 11	Q12	Q13	Q14	Q15					
1	2	3	3	3					

SECTION B

Q16	Q17	Q18	Q19	Q20
9 and 3	5/8	7 1/4	3/8	140
Q21	Q22	Q23	Q24	Q25
6.54	55.53	55	0.065, 0.605, 3/5	19663

Q26)	<u>270</u>
Q27)	
Q28)	bank
Q29)	$15 \times 2 = 30$ $30 + 15 = 45$ $90 - 45 = \underline{45}$
Q30)	-

Q31)	
Q32)	$32 + 36 = 68$ $143 - 68 = 75$ $75 - 15 = 60$ $60/2 = \underline{30}$
Q33)	<u>9</u>
Q34)	$136/8 = 17$ $17 + 8 = \underline{25}$
Q35)	$5 \times 4 = 20$ $5 \times 3 = 15$ $20 \times 15 = 200 + 100 = \underline{300}$
Q36)	$51.8 \times 3 = 155.4$ $155.4 + 51.8 = 207.2$ $207.2/7 = \underline{29.6\text{kg}}$
Q37)	<u>1801</u>
Q38)	a) $8/4 = 2$ $2\text{cm} + 8\text{cm} = \underline{10\text{ cm}}$ b) $90 - 45 = \underline{45}$
Q39)	a) <u>Thursday</u> b) <u>Friday</u> c) $42 + 36 = \underline{78}$ d) $30 - 15 = \underline{15}$
Q40)	a) 1pencil = \$0.80 $1\text{ pen} = \$0.80 \times 2 = \underline{\$1.60}$ b) 1u for one = 2u for pencil $\$24/5 = \4.80 $\$4.80/\$0.80 = 6$ $6 \times 3 = \underline{18}$
Q41)	$3u \rightarrow 112 - 70 = 42$ $1u \rightarrow 42/3 = 14$

	$14 \times 5 = 70$ $70 + 70 = 140$ $140 + 112 = \underline{252}$																							
Q42)	a) $\frac{1}{6} = \frac{4}{24}$ $\frac{1}{8} = \frac{3}{24}$ $\frac{4}{24} + \frac{3}{24} = \underline{\frac{7}{24}}$ b) $\frac{4}{24} + \frac{3}{24} = \frac{7}{24}$ $\frac{7}{24} + \frac{7}{24} = \frac{14}{24}$ $\frac{24}{24} - \frac{14}{24} = \frac{10}{24} = \underline{\frac{5}{12}}$																							
Q43)	<table><tr><th>Correct</th><th>Add</th><th>Wrong</th><th>Add</th><th>Total</th><th>Check</th></tr><tr><td>20</td><td>$20 \times 5 = 100$</td><td>0</td><td>$0 \times 2 = 0$</td><td>$100 - 0 = 100$</td><td>X</td></tr><tr><td>15</td><td>$15 \times 5 = 75$</td><td>5</td><td>$5 \times 2 = 10$</td><td>$75 - 65$</td><td>✓</td></tr></table> <u>Ans : 15</u>						Correct	Add	Wrong	Add	Total	Check	20	$20 \times 5 = 100$	0	$0 \times 2 = 0$	$100 - 0 = 100$	X	15	$15 \times 5 = 75$	5	$5 \times 2 = 10$	$75 - 65$	✓
Correct	Add	Wrong	Add	Total	Check																			
20	$20 \times 5 = 100$	0	$0 \times 2 = 0$	$100 - 0 = 100$	X																			
15	$15 \times 5 = 75$	5	$5 \times 2 = 10$	$75 - 65$	✓																			