

Name: _____

PSLE Mock Paper 3**Paper 1 Section A (No use of calculator is allowed)**

Question 1-10 carry 1 mark each. Question 11-15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. (20marks)

(1) Which of the following numbers is the largest?

- 1) 0.057
- 2) 0.120
- 3) 0.119
- 4) 0.102

(2) The number of books in a library when rounded off to the nearest hundred was 8000. What was the possible number of books in the library?

- 1) 7560
- 2) 7950
- 3) 8150
- 4) 8460

(3) Which one of the following is nearest to 1?

- 1) $\frac{2}{3}$
- 2) $\frac{4}{5}$
- 3) $1\frac{1}{4}$
- 4) $1\frac{1}{6}$

(4) John bought 10 shirts. He gave the cashier \$50 and received a change of \$q. Find the cost of 1 shirt in terms of q.

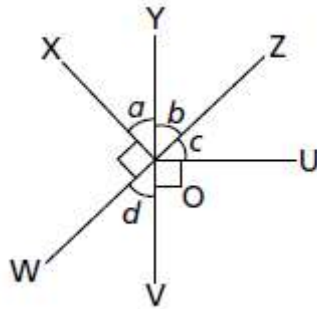
- 1) $\$(50 - q)$
- 2) $\$(500 - 10q)$
- 3) $\$\left(\frac{50 - q}{10}\right)$
- 4) $\$\left(\frac{q - 50}{10}\right)$

(5) How many $\frac{3}{8}$ s are there in 9 wholes?

- 1) 24
- 2) 18
- 3) 16
- 4) 12

(6) In the diagram below, WZ and YV are straight lines. Which of the following 2 angles will not add up to 90° ?

- 1) $\angle b$ and $\angle c$
- 2) $\angle c$ and $\angle d$
- 3) $\angle a$ and $\angle c$
- 4) $\angle a$ and $\angle d$

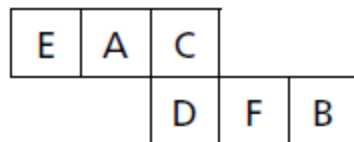


(7) The ratio of boys to girls is 3 : 4. What fraction of the total children are boys?

- 1) $\frac{3}{4}$
- 2) $\frac{3}{7}$
- 3) $\frac{4}{7}$
- 4) $\frac{1}{3}$

(8) The figure shows a net of a cube. Which face is opposite of face B when the net is folded into a cube.

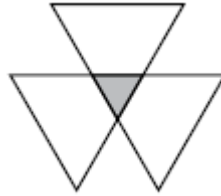
- 1) A
- 2) C
- 3) D
- 4) E



- (9) $\frac{1}{2}$ of a number is 27. What is $\frac{1}{9}$ of the number?
- 1) 3
 - 2) 6
 - 3) 54
 - 4) 243
- (10) A tank, 40 cm by 30 cm by 15 cm, was completely filled with water. Find the volume of water in the tank.
- 1) 600cm³
 - 2) 1200cm³
 - 3) 1800cm³
 - 4) 18 000cm³
- (11) Nancy spends $\frac{3}{5}$ of her allowance on food. She spends 0.2 of the remainder on transport and saved the rest. What percentage of her allowance did she save?
- 1) 32%
 - 2) 40%
 - 3) 68%
 - 4) 80%
- (12) 15% of lollipops in a candy shop is as many as 25% of candy bar it has. There are 40 more lollipops than candy bar. How many lollipops are there in the candy shop?
- 1) 60
 - 2) 100
 - 3) 160
 - 4) 400
- (13) A cube has a volume of 64 cm³. When the length of every edge of the cube is doubled, what is the difference between the new volume and the original volume of the cube?
- 1) 128 cm³
 - 2) 196 cm³
 - 3) 448 cm³
 - 4) 4096 cm³

(14) The figure below is made up of 3 overlapping triangles. The area of the figure is 240 cm^2 and the area of the each big triangle is 90 cm^2 . Find the area of the shaded triangle.

- 1) 10 cm^2
- 2) 15 cm^2
- 3) 30 cm^2
- 4) 45 cm^2



(15) A repeated pattern is formed using 4 letters W, X, Y and Z

W, X, Y, Z, Z, Y, X, W, W, X, Y, Z, Z, Y, X, W
 1st 2nd 3rd 16th

How many 'Z' are there in the first 125 letters?

- 1) 16
- 2) 32
- 3) 36
- 4) 42

Booklet B (25 marks)

Questions 16 to 20 carry 1 mark each. Questions 21 to 30 carry 2 marks each. Give your answers in the units stated.

(16) What is the value of $7a + a \times 3$ when $a = 2$?

Ans: _____

(17) Express $2\frac{1}{7}$ as a decimal, rounding off to 2 decimal places.

Ans: _____

(18) What is the largest common factor of 12 and 18?

Ans: _____

(19) Which digit of 123.456 is in the hundredths place?

Ans: _____

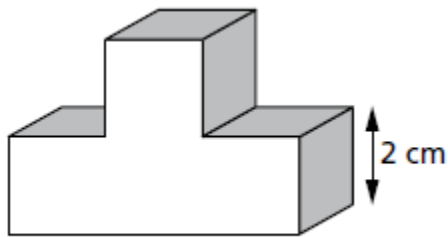
(20) There were 5 times as many red beans as green beans and 2 times as many yellow beans as red beans. What was the ratio of the green beans to yellow beans?

Ans: _____

- (21) A box has a mass of 1.75kg when it is completely filled with sand. It has a mass of 1.15 kg when it is $\frac{5}{8}$ filled. What is the mass of the box?

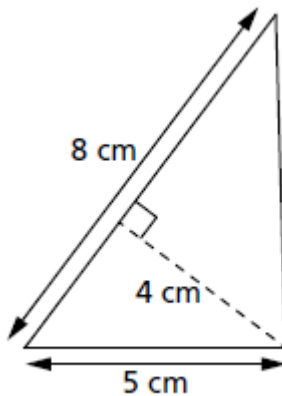
Ans: _____ kg

- (22) The figure below is made of 4 identical cubes. It is painted red in colour including the base. What is the total area that is painted red?



Ans: _____ cm²

- (23) Find the area of the triangle shown below.



Ans: _____ cm²

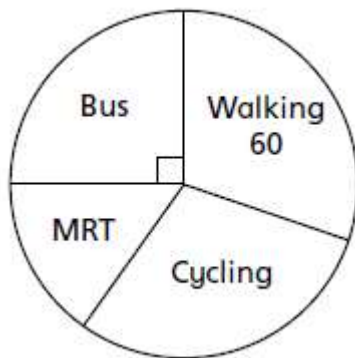
(24) A group of children shared 28 pizzas equally. Each child received $\frac{2}{7}$ of a cake. How many children are there?

Ans: _____ children

(25) Subtract 3 hundredths from the sum of 2.25 and 5.278. What is the answer?

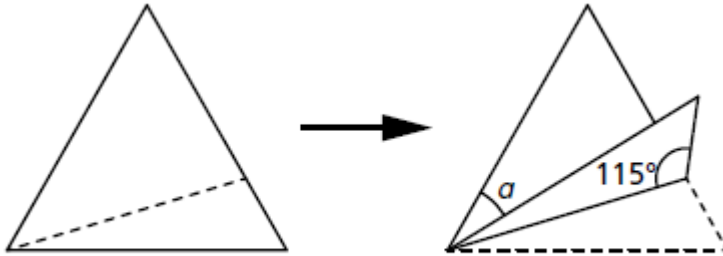
Ans: _____

(26) The pie chart below shows how 200 factory workers commute to work. The number of workers walking to work and the number of workers cycling to work are the same. How many workers go to work by MRT?



Ans _____ workers

- (27) In Shannon folded an equilateral triangle along the dotted line as shown in the diagram below. Find $\angle a$.



Ans _____^o

- (28) The perimeter of a right-angled triangle is 60 cm. Its sides are in the ratio of 3 : 8 : 9. Find the area of the triangle.

Ans _____ cm²

- (29) Jenny shared some chocolates with some of her friends. If she gave each friend 4 chocolates, she would have 5 chocolates left. If she gave each person 5 chocolates, she would be short of 3 chocolates. How many friends did she share her chocolates with?

Ans _____ friends

- (30) Tim and Nicole can paint a classroom in 2 hours. If Nicole can paint the classroom alone in 6 hours, how long will it take Tim to paint the classroom by himself?

Ans _____ hours

End of Paper 1