

## 2021 PSLE FOUNDATION MATHS – PAPER 1

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Questions **1** to **10** carry 1 mark each. Questions **11** to **20** carry 2 marks each.  
For each question, four options are given. One of them is the correct answer. Make your choice and shade your answer (1, 2, 3 or 4) in the Optical Answer Sheet.

(30 marks)

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1. Which digit in the number 7 829 is in the hundreds place?

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

2. Round off 59 995 to the nearest ten.

- (1) 50 000
- (2) 59 900
- (3) 59 990
- (4) 60 000

3. What is the missing number in the box?

$$7 \frac{2}{5} = \frac{\boxed{\phantom{000}}}{5}$$

- (1) 14
- (2) 16
- (3) 35
- (4) 37

4. Which of the following fractions is the greatest?

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

(2)  $\frac{2}{7}$

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

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

5. Find the value of  $3 \div \frac{1}{4}$

(1) 12

(2) 34

(3) 3

(4) 4

6. Which one of the following numbers is the smallest?

(1) 9.91

(2) 9.19

(3) 9.189

(4) 9.911

7. Round off 39.95 to the nearest tenth.

(1) 39.0

(2) 39.9

(3) 40.0

(4) 41.0

8. Express 0.396 as a percentage.

- (1) 0.396%
- (2) 3.96%
- (3) 39.6%
- (4) 396%

9. In the number pattern below, what is the missing number in the box?

9.95, 9.75,  , 9.35

- (1) 9.15
- (2) 9.55
- (3) 9.65
- (4) 9.85

10. Express 0.75 as a fraction in the simplest form.

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

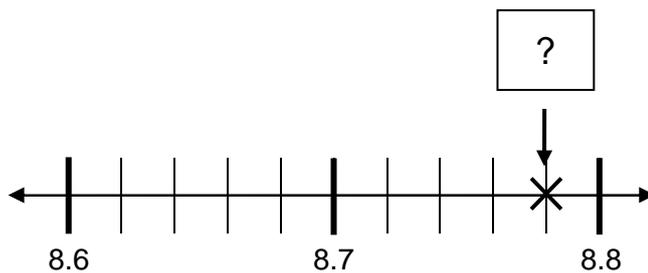
11. Sally sold her bag to her friend, Jane. She bought her bag for \$80 and made a loss of 20% when she sold it to Jane. How much did Jane buy the bag from Sally?

- (1) \$20
- (2) \$60
- (3) \$64
- (4) \$100

12. A rectangle has a perimeter of 36 cm. Its breadth is 6 cm. What is its length?

- (1) 12 cm
- (2) 24 cm
- (3) 30 cm
- (4) 42 cm

13. What is the missing decimal in the box?



- (1) 8.73
- (2) 8.76
- (3) 8.77
- (4) 8.78

14. There are 40 pens in a box.  $\frac{2}{5}$  of the pens are blue. How many pens are blue?

- (1) 38
- (2) 35
- (3) 20
- (4) 16

15. Michelle saved some money. She spent  $\frac{3}{7}$  of her money on a pair of shoes and had \$40 left. How much did the pair of shoes cost?

- (1) \$30
- (2) \$25
- (3) \$20
- (4) \$15

16. The table below shows the number of winners in each prize category. What is the total amount of money given to all the winners?

Number of Winners	Prize Category
9	\$5
7	\$10
4	\$50

- (1) \$255
- (2) \$285
- (3) \$300
- (4) \$315

17. Mrs Chan is 3 times as old as her daughter. Mrs Chan is 20 years older than her daughter. How old is Mrs Chan?

- (1) 22 years old
- (2) 24 years old
- (3) 28 years old
- (4) 30 years old

18. Mrs Wong has \$150 worth of notes. 15 of them are \$2 notes, 4 of them are \$10 notes and the rest are \$5 notes. How many \$5 notes does she have?

- (1) 18
- (2) 16
- (3) 14
- (4) 10

19. The usual price of a pair of jeans was \$120. Eddie bought the pair of jeans at a discount of 25%. How much did Eddie pay for the pair of jeans?

- (1) \$30
- (2) \$90
- (3) \$105
- (4) \$145

20. Figure 1 shows a rectangular sheet of paper. Sally cuts it into identical squares. One of the squares is shown in Figure 2.

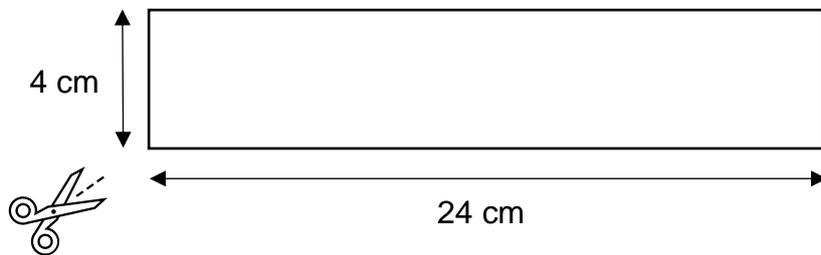


Figure 1

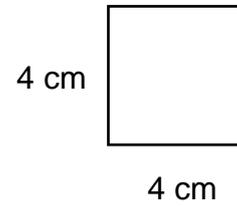


Figure 2

How many squares could she cut at most?

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

Questions **21** to **30** carry 2 mark each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated

(20 marks)

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21.

(a) Find the value of  $\frac{2}{7} \times 21$

(b) Express  $\frac{18}{5}$  as a mixed number in the simplest form

Ans: (a) \_\_\_\_\_

Ans: (b) \_\_\_\_\_

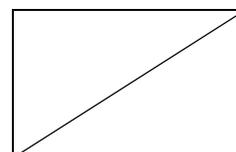
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22. (a) Write seven thousand and eighty in numerals.

(b) Find the value of  $85 - (32 - 7) \times 3$ .

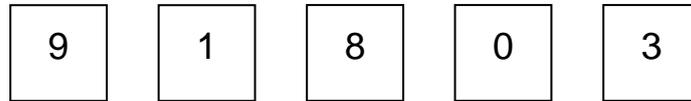
Ans: (a) \_\_\_\_\_

Ans: (b) \_\_\_\_\_





23. Use the digits below to form the smallest 5-digit even number. Each digit can only be used once.



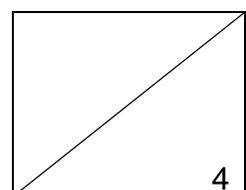
Ans: \_\_\_\_\_

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24.  $2500 \div 1000 = \square \times 0.025$

What is the missing number in the box?

Ans: \_\_\_\_\_



25. A cupboard cost \$85 more than a table. If I paid a total of \$225 for the cupboard and the table, how much did the table cost?

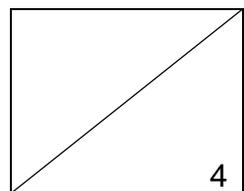
Ans: \_\_\_\_\_

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26. Tom deposits \$900 in the bank. The annual interest given is 3%. How much will Tom have in the bank in total after a year?

Ans: \_\_\_\_\_

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27. Mrs Tan takes 3 hours to bake 12 similar pies. At this rate, how many pies does she bake in 6 hours?

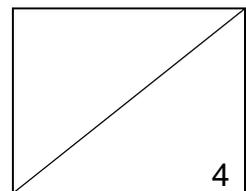
Ans: \_\_\_\_\_

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28. 240 people attended this year's National Day celebrations at The Float at Marina Bay. 40% of them were males. How many females were there?

Ans: \_\_\_\_\_

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29. Andre loves playing video games. After school, he spent 55 min at the video games arcade and left at 4.25 p.m. At what time did he arrive at the arcade?

Ans: \_\_\_\_\_

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30. Are the statements below possible? Write "Yes" or "No" for each of them.

(a) The mass of a mobile phone is 0.2 kg. Ans: \_\_\_\_\_

(b) The mass of a basketball is 625 kg. Ans: \_\_\_\_\_

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