

PSLE Mathematics (Standard)

Answer Key

Paper 1

Booklet A (20 marks)

Questions 1 to 10: 1 mark each

Questions 11 to 15: 2 marks each

1.	4	6.	4	11.	4
2.	4	7.	1	12.	3
3.	4	8.	2	13.	2
4.	3	9.	2	14.	1
5.	3	10.	2	15.	4

Booklet B

Question 16 to 20 : 1 mark each

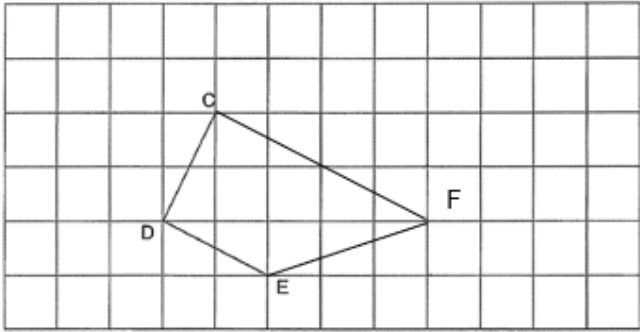
Questions 21 to 30: 2 marks each

Question	Answer
16	6060060
17	141.6
18	330 cm ²
19	$\frac{2}{49}$
20	4
21	a) 8650 b) 6058
22	90 – 55 = 35 35 + 35 = 70 360 – 70 = 290 290 – 55 = 235°
23	0115
24	180 – 90 = 90 90 – 75 = 15 180 – 75 = 105 105 – 35 = 70 70 – 15 = 55°
25	33g – 20g = 13g 1 u = 10 g 1u + 1u = 2u 2u x 12 ¢ = 24 ¢ 56 ¢ - 24 ¢ = 32 ¢

26	For Freda: 2 parts = 72 1 part = 36 5 parts = 180 For Monica: 3 parts = 72 1 part = 24 7 parts = 168 $180 - 168 = \\$12$
27	$40 \times 6 = 240$ $6 + 2 = 8$ $240 \div 8 = 30$ $40 - 30 = 10$
28	$576 \div 9 = 64$ $8 \times 8 = 64$ Ans = 8
29	$1 - \frac{4}{9} = \frac{5}{9}$ $\frac{1}{3} = \frac{5}{15}$ $15 - 9 = 6$ $42 \div 6 = 7$ $7 \times 5 = 352$
30	Perimeter of square and rectangle = $6 + 6 + 6 + 6 = 24$ $24 = x + x + (x+8) + (x+8)$ $2x + 2x + 16 = 24$ $4x = 8$ $x = 2$

Paper 2

Questions 1 to 5 : 2 marks each

Question	Answer
1	$12 : 4 = 3 : 1$
2	a) $15 \frac{4}{5} \div \frac{5}{8} = 25 \frac{7}{25} = 25$ b) $\frac{7}{5} \times \frac{5}{8} = \frac{7}{8}$
3	$2.9 - 1.7 = 1.2$ $1.2 \times 9 = 10.8 \text{ cm}$
4	$1 + 3 = 4$ $55 \div 4 = 13 \text{ R}3$ Ans = 14
5	$45 - 1 - 1 = 43$ $30 - 1 - 1 = 28$ $20 - 1 - 1 = 18$ $(43 + 28 + 18) \times 4 = 356$
6	$\angle EBD = 180^\circ - 39^\circ - 71^\circ = 68^\circ$ $\angle EAB = 68^\circ \div 2 = 34^\circ$
7	a) $209 \div 76 = 2.75 = 2 \text{ h } 45 \text{ min}$ b) $2 \text{ h } 36 \text{ min} = 2 \frac{36}{60} = 2.6 \text{ h}$ Ave speed = $153.4 \div 2.6 = 59 \text{ km/h}$
8	(a) $2P + P + P + 6 + 3P - 4 = 7P + 2$ (b) $7P + 2 + P = 130$ $8P = 128$ $P = 16$
9	a) 91° b) 

10	$25 \times 2 = \$50$ $\$50 + \$86 = \$136$ $136 \div 2 = 68$ $\$68 \times 5 = \340 $\$340 + \$50 = \$390$ $390 \div 3 = 130$ $130 \times 5 = \$650$
11	(a) 3 people $\rightarrow 68.5 \times 3 = 205.5$ $70 \times 4 = 280$ $280 - 205.5 = 74.5$ (b) $\frac{74.5}{280} \times 100 = 26.61\%$ $= 27\%$
12	a) During 15 00 to 16 00 hrs b) 16 ℓ c) $80 \div (17-12) = 16 \text{ ℓ per hour}$
13	Let width of small rectangle = u Length of small rectangle = 3.5u Perimeter = $7u + 2u + 3.5u + 3.5u + 3.5u + 3.5u = 23u = 138$ $u = 138 \div 23 = 6 \text{ cm}$ Length of small rectangle = $3.5 \times 6 = 21 \text{ cm}$ Area of ABCD = $(6 \times 7) \times (6 + 21) = 1134 \text{ cm}^2$
14	(a) $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$ $1 - \frac{3}{5} = \frac{2}{5}$ $\frac{2}{5} \div 2 = \frac{1}{5}$ (b) $133 \div \frac{1}{5} = 133 \times 5 = 665$
15	a) $\\$300 \div \\$50 = 6$ $\\$287.85 \div 6 \times \\$4 = \\$311.85$ b) $38 \times \\$9.75 = \\370.50 $\\$370.50 - \\$311.85 = \\$58.65$ $\\$9.75 - \\$6.30 = \\$3.45$ $\\$58.65 \div \\$3.45 = 17$

16

(a) Boys : Girls Total
 10 : 7 17
 $17 \times \$12 = \204
 $4692 \div 204 = 23$
 $23 \times 10 = 230$
 Boys = 230

(b) Male : Female = 8 : 5
 Ratio difference = 3
 $54 \div 3 = 18$
 Male : Female = 8 : 5
 $= 8 \times 18 : 5 \times 18$
 $= 144 : 90$
 Women = 90

17

a)

Figure Number	1	2	3	4
Number of white circles	4	6	9	11
Number of grey circles	2	3	3	4

b) $(425 + 1) \times 3 = 1278$

c) $425 - 1 = 424$

$424 \div 2 = 212$

$212 \times 5 = 1060$

$1060 + 4 = 1064$

$1068 \div 1278 \times 100 \% \approx 83.3\%$