HENRY PARK PRIMARY SCHOOL
2022 END OF YEAR EXAMINATION
MATHEMATICS
PRIMARY 3

Name: _____ (   )

Class: Primary 3_____

Parent's Signature

_____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	13
Section B (Open-Ended)	45
Section C (Problem Sums)	22
Total	80

Section A: Multiple Choice Questions (13 marks)

Questions 1 to 5 carry 1 mark each. Questions 6 to 9 carry 2 marks each.
Choose the correct answer and write its number in the brackets provided.
You are required to shade the correct oval of your answer (1, 2, 3 or 4) in the Optical
Answer Sheet (OAS) provided.

1. What is the value of digit 3 in 2305?

    (1)   3

    (2)   30

    (3)   300

    (4)   3000   (   )

2. Which of the following is an acute angle?

    (1) $\angle a$
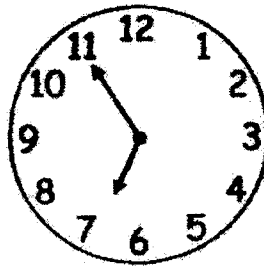
    (2) $\angle b$

    (3) $\angle c$

    (4) $\angle d$ (   )

3. Which of the following is the same as 2 ℓ 40 ml?

    (1)   240 ml

    (2)   2004 ml

    (3)   2040 ml

    (4)   2400 ml   (   )

4. Jia Le reached the swimming pool 5 minutes after the time shown below.

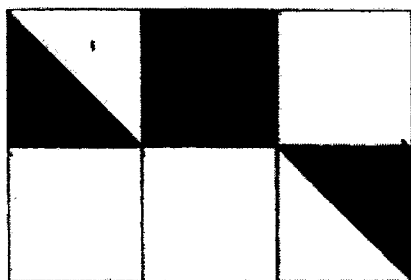At what time did he reach the swimming pool?

    (1)   6.50 a.m.

    (2)   7.00 a.m.

    (3)   11.30 a.m.

    (4)   11.40 a.m.   (   )

5. The figure below is made up of identical squares.

What fraction of the figure is shaded?

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

(2) $\frac{1}{3}$

(3) $\frac{3}{5}$

(4) $\frac{3}{8}$ (   )

6. The difference between two numbers is 54. The smaller number is 17. What is the sum of the two numbers?

(1) 37

(2) 54

(3) 71

(4) 88   (   )

7. What is the missing number in the box?

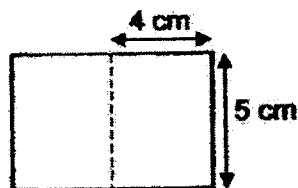$$\boxed{?} \times 5 = 320 \div 4$$

(1) 16

(2) 64

(3) 80

(4) 400 ( )

8. Siti has 96 stickers. She has 57 fewer stickers than Carol. Brandon has three times as many stickers as Carol. How many stickers does Brandon have?

(1) 51

(2) 117

(3) 153

(4) 459 ( )

9. The figure shown below is made up of 2 identical small rectangles. Find the perimeter of the figure.
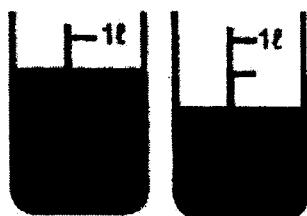

(1) 9 cm

(2) 18 cm

(3) 26 cm

(4) 31 cm ( )

Section B: Open-Ended Questions (45 marks)
Questions 10 to 14 carry 1 mark each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated.
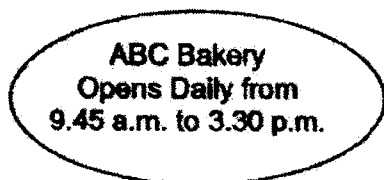
10. Write nine thousand and seven in numerals.

Ans: _____

11. There are some water in the two beakers shown below. What is the total volume of water in the two beakers? Give your answer in ml.
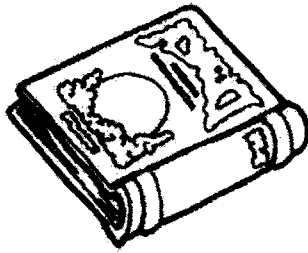

Ans: _____ ml

12. The opening hours of ABC Bakery is shown below. How long is the bakery opened each day? Give your answer in hours and minutes.

ABC Bakery
Opens Daily from
9.45 a.m. to 3.30 p.m.

Ans: _____ h _____ min

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13. Jamie bought a storybook and a pen from a bookshop. How much did she spend altogether?
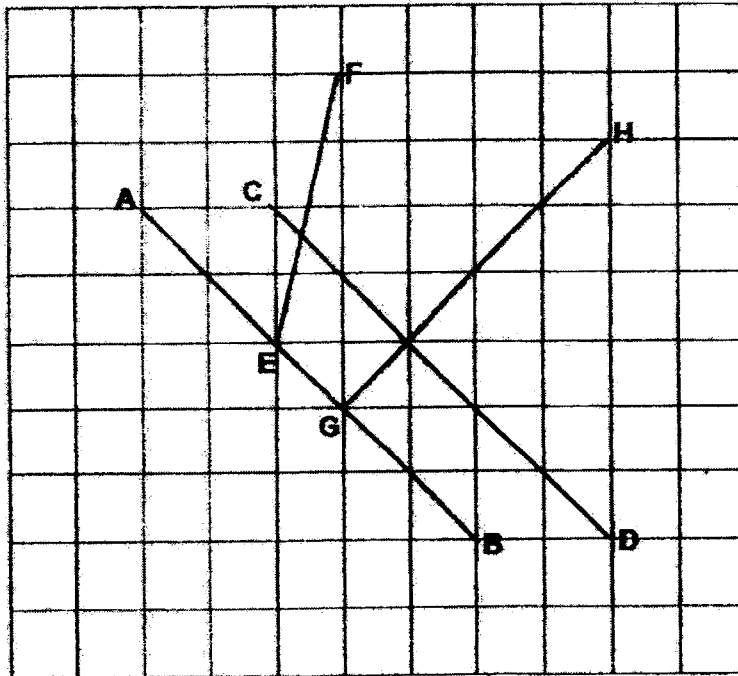
Storybook
$15.90

Pen
$2.75

Ans: $ _____

14. Look at the figure shown below. Name a line perpendicular to line AB.

Ans: Line _____

Questions **15** to **34** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

15. Find the value of $\frac{1}{5} + \frac{3}{10}$. Give your answer in its simplest form.

Ans: _____

16. Find the product of 306 and 7.

Ans: _____

17. Use the digits 5, 0, 4, and 9 to form the smallest 4-digit even number.

Ans: _____

18. What is the quotient when 305 is divided by 8 ?
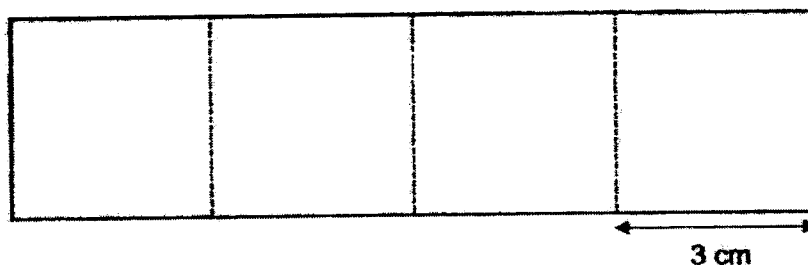
Ans: _____

19. (a) Express $\frac{8}{12}$ in its simplest form.

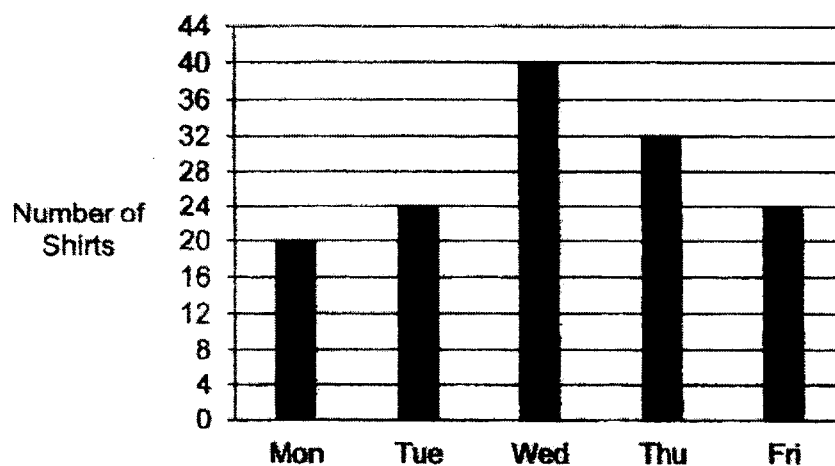(b) Give an equivalent fraction of $\frac{4}{9}$.

Ans: (a) _____

(b) _____

20. Jerry used 4 identical square tiles to form a rectangle as shown below. Each side of the square tile is 3 cm.

3 cm

What is the area of the rectangle formed?

Ans: _____ cm²

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21. The bar graph below shows the number of shirts sold over 5 days.

How many more shirts were sold on Wednesday than on Tuesday?

Ans: _____

22. Complete the number pattern below.

4756, 4759, 4758, 4761, _____, 4763, 4762

Ans: _____

23. 150 more than the product of 325 and 8 is _____.

Ans: _____

24. Find the sum of 6491 and 1355. In your answer, what is the digit in the hundreds place?

Ans: _____

25. $\boxed{?} \div 7 = 68 \text{ R1}$

Find the missing number in the box.

Ans: _____

26. Miss Chin baked 903 muffins. She sold some of the muffins and had 276 muffins left. How many muffins did she sell?

Ans: _____

27. Oranges are sold in bags of 8 in a supermarket. Mrs Koh needs 485 oranges. What is the smallest number of bags of oranges Mrs Koh should buy?

Ans: _____

28. Arrange the following fractions from the smallest to the largest.

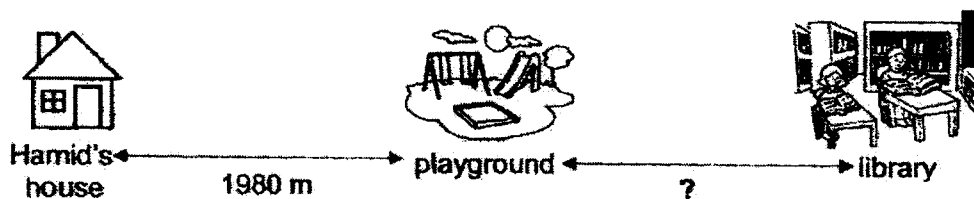$$\frac{5}{9} , \frac{1}{3} , \frac{5}{6}$$

Ans: _____, _____, _____
      smallest   largest

29. $\frac{11}{12} - \frac{\boxed{?}}{3} = \frac{1}{4}$

What is the missing number in the box?

Ans: _____

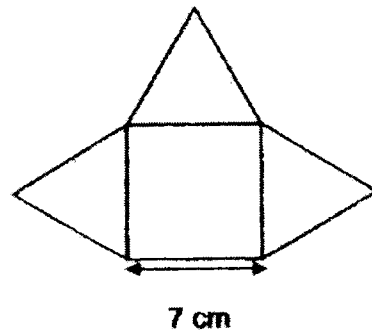30. Hamid's house is 3 km away from a library and 1980 m away from a playground as shown below.

Hamid's ◄——————► playground ◄————————► library
house   1980 m   ?

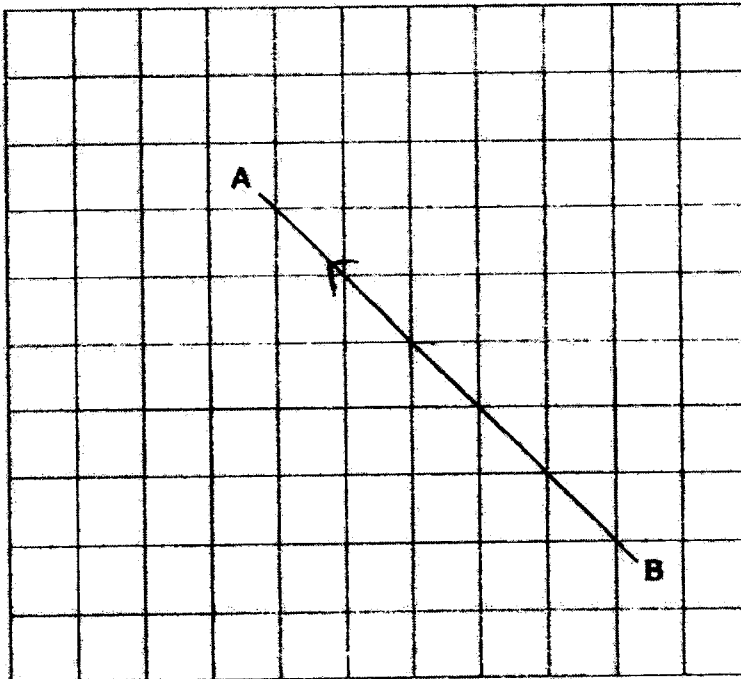What is the distance between the library and the playground?

Ans: _____ m

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31. The figure below is made up of three identical triangles and a square. Each side of the triangle has the same length. What is the perimeter of the figure?
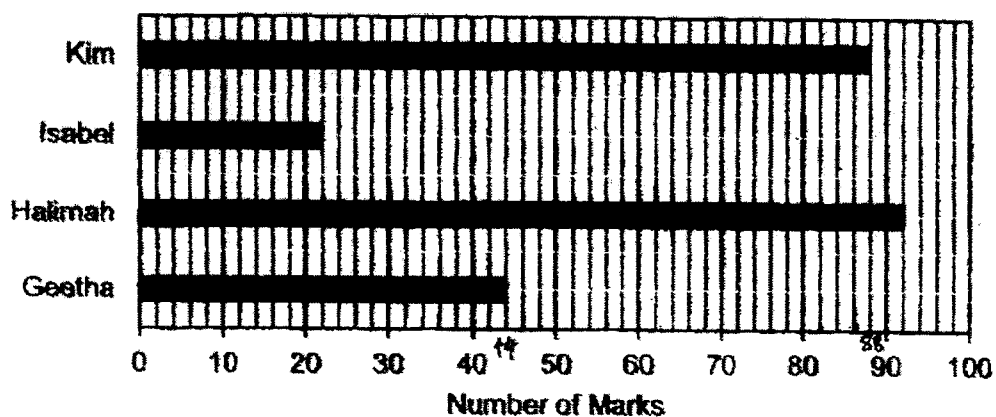

7 cm

Ans: _____ cm

32. Use a set-square to draw a line **parallel** to line AB in the grid below.

33. The bar graph below shows the number of marks 4 girls scored in a test.

Who scored twice the number of marks Geetha scored?

Ans: _____

34. Mrs. Ang is 47 years old now. Kayla is 28 years younger than Mrs Ang. How old will Kayla be in 10 years' time?

Ans: _____ years old

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Section C: Problem Sums (22 marks)

Read the problem sums carefully before solving it. Show your working and write your word statements clearly. The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

35.   Emma made 7 necklaces by using 84 beads for each necklace. She had 265 beads left after making the 7 necklaces.

(a) How many beads did Emma use in total to make the necklaces?

Working

(b) How many beads did Emma have at first?

Ans: (a) _____ [2]

(b) _____ [2]

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36. The mass of a box and 6 identical metal balls is 1 kg 92 g.
The mass of the box is 120 g.

(a) What is the mass of the 6 metal balls?

Working

(b) What is the mass of each metal ball?

Ans: (a) _____ [2]

(b) _____ [2]

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37. The table below shows the amount of time Mei spent on her homework last Saturday.

Subject	Amount of time spent
English	10 minutes
Mathematics	25 minutes
Science	15 minutes
Mother Tongue	30 minutes

(a) Mei finished her Mathematics and Science homework at 9.30 a.m. At what time did she start doing her Mathematics and Science homework?

Working

(b) How much time did she take in total to complete her English, Mathematics and Mother Tongue homework? Express your answer in hour(s) and minute(s).

Ans: (a) _____ [2]

(b) _____ [2]

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38.   Wendy bought 3 similar T-shirts and 2 similar skirts for $50.20.
      1 such T-shirt and 1 such skirt cost $20.20.
      How much did each T-shirt cost?

Working

Ans: _____ [3]

39. Melody had 120 stamps more than Jeremy.
After Melody gave 30 stamps to Jeremy, she had twice as many stamps as him. How many stamps did they have altogether?

Working

Ans: _____ [3]

40. The total number of stickers five children have is the same as the total number of stickers two adults have.
The five children and two adults have a total of 470 stickers.

(a) How many stickers do the two adults have altogether?

(b) Each of the five children has the same number of stickers. Find the number of stickers each child has.

Ans: (a) _____ [2]

(b) _____ [2]

-End of Paper-

YEAR   : 2022
LEVEL   : PRIMARY 3
SCHOOL: HENRY PARK PRIMARY SCHOOL
SUBJECT: MATHEMATICS
TERM   : END OF YEAR EXAMINATION

Q1	3	Q2	3	Q5	3	Q4	2	Q5	2
Q6	4	Q7	1	Q8	4	Q9	3		

Q10	9007	Q11	800 + 600 = 1400ml
Q12	5h 45min	Q13	1590 + 275 = $18.65
Q14	Line GH	Q15	$\frac{2}{10} + \frac{3}{10} = \frac{5}{10} = \frac{1}{2}$
Q16	306 x 7 = 2142	Q17	4590
Q18	38	Q19	(a) $\frac{2}{3}$ (b) $\frac{8}{18}$
Q20	4 x 3 = 12 12 x 3 = 36cm^2	Q21	40 − 24 16
Q22	4760	Q23	325 x 8 = 2600 2600 + 150 = 2750
Q24	8	Q25	68 x 7 = 476 476 + 1 = 477
Q26	903 − 276 = 627	Q27	61
Q28	1 5 5 3 9 6	Q29	2
Q30	3000 − 1980 = 1020m	Q31	7 x 7 = 49cm
Q32		Q33	44 x 2 = 88 Ans : Kim
Q34	47 − 28 = 19 19 + 10 = 29 years old	Q35	(a) 84 x 7 = 588 (b) 588 + 265 = 853
Q36	(a) 1092 − 120 = 972 (b) 972 ÷ 6 = 162g	Q37	(a) 9.30a.m. − 15min − 25min = 8.50a.m. (b) 25 + 10 = 35 35 + 30 = 65 65 = 1h 5min
Q38	5020 − 2020 = 3000 30.00 − 20.20 = $9.80	Q39	120 − 30 = 90 90 = 1u 3u = 90 x 3 = 270 270 + 30 = 300
Q40	(a) 470 ÷ 2 = 235		

(b) 235 ÷ 5 = 47