Nanyang Primary School
Primary 3
Mathematics
Practice Paper 2021

Name: _____ Date: _____

Class: Pri. 3 ( )

Parent's signature: _____

Questions **1** to **20** 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) and shade your answer on the Optical Answer Sheet. (40 marks)

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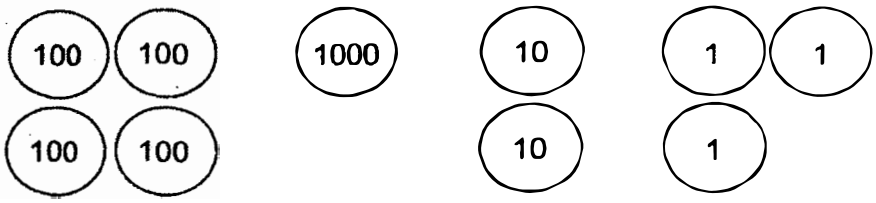
1. What is the number shown by all the number discs?



(1) 4213

(2) 4123

(3) 1432

(4) 1423

2. Arrange the following numbers from the smallest to the largest.

6647	4676	6467

	Smallest		Largest
(1)	4676,	6647,	6467
(2)	4676,	6467,	6647
(3)	6467,	6647,	4676
(4)	6647,	6467,	4676

3. What is the sum of 4745 and 2243?

(1) 2502

(2) 2988

(3) 6502

(4) 6988

4. Find the value of 6243 – 2986.

(1) 3257

(2) 4367

(3) 4743

(4) 9229

5. Find the value of $72 \div 9$.

(1) 6

(2) 7

(3) 8

(4) 9

6. Mr Ong sells 468 bowls of noodles in a day.
How many bowls of noodles can he sell in 7 such days?

(1) 2826

(2) 2876

(3) 3216

(4) 3276

7. What is the remainder when 274 is divided by 6?

(1) 450

(2) 45

(3) 3

(4) 4

8. Which of the following fractions is **not** an equivalent fraction of $\frac{2}{4}$?

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

(2) $\frac{3}{6}$

(3) $\frac{5}{8}$

(4) $\frac{6}{12}$

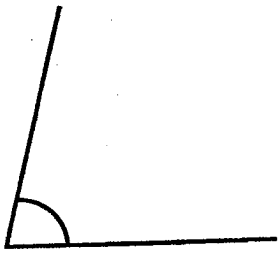
9. Arrange the following fractions from the smallest to the largest.

$$\frac{4}{5}, \frac{1}{2}, \frac{3}{4}$$

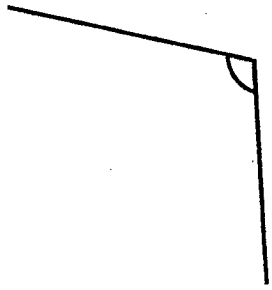
	Smallest				Largest
(1)	$\frac{4}{5}$	,	$\frac{3}{4}$	,	$\frac{1}{2}$
(2)	$\frac{3}{4}$	,	$\frac{4}{5}$	,	$\frac{1}{2}$
(3)	$\frac{1}{2}$	,	$\frac{4}{5}$	,	$\frac{3}{4}$
(4)	$\frac{1}{2}$	,	$\frac{3}{4}$	,	$\frac{4}{5}$

10. Which of the following figures shows an angle that is smaller than a right angle?

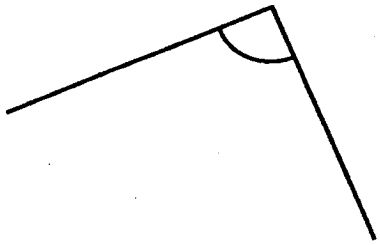
(1)



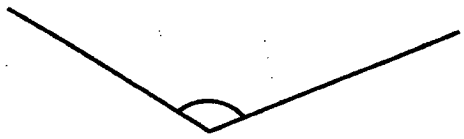
(2)



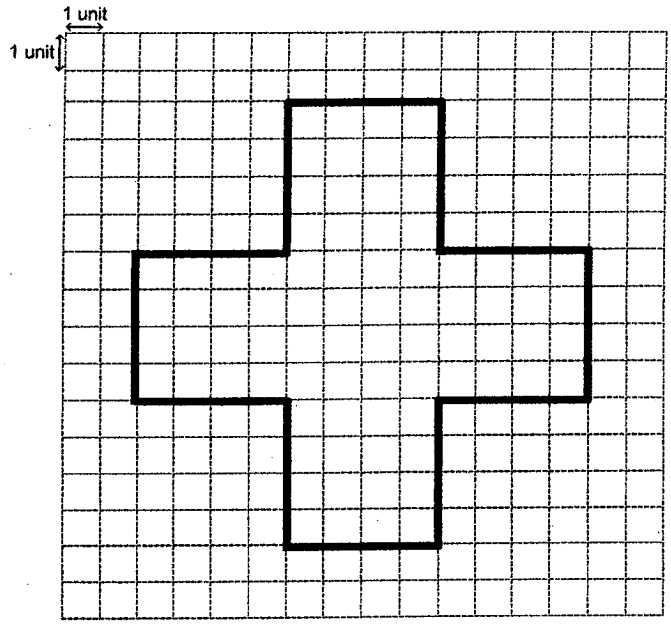
(3)



(4)



11. The figure below is drawn on a 1-unit square grid.
Find the perimeter of the figure below.



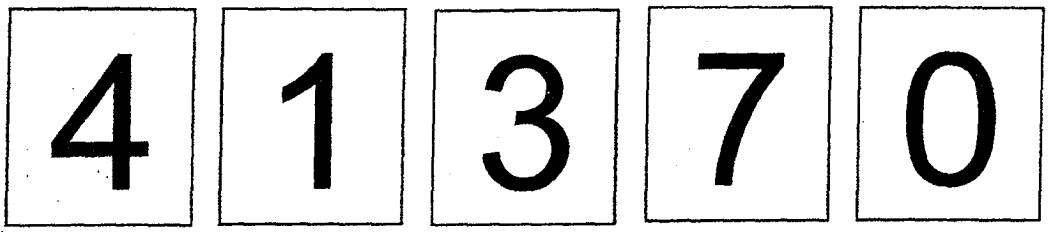
(1) 48 units

(2) 64 units

(3) 80 units

(4) 84 units

12. Jay has the following number cards.



Using each digit only once, what is the smallest 4-digit odd number he can form?

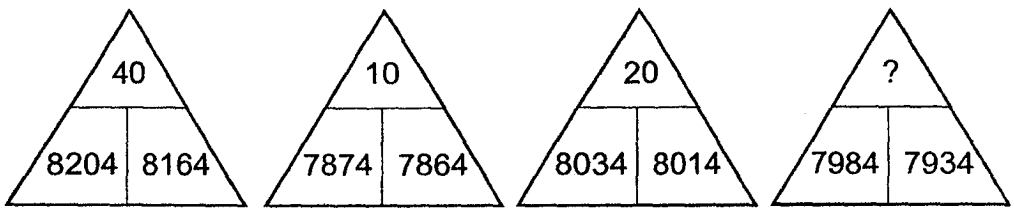
(1) 1034

(2) 1037

(3) 1043

(4) 1047

13. The triangles below are filled with numbers in a certain pattern.



What is the missing number?

(1) 30

(2) 50

(3) 70

(4) 80

14. There were 312 adults at a concert.
There were 3 times as many children as adults at the concert.
How many people were there at the concert?

(1) 1248

(2) 936

(3) 104

(4) 78

15. The painters have 848 houses to paint.
They paint 8 houses each day.
How many days will the painters take to finish painting all the houses?

(1) 11

(2) 16

(3) 106

(4) 160

16. Every morning, Muthu drives 2111 m from his home to his office.
After work, he drives the same way home.
What is the total distance he drives every day?

(1) 2 km 111 m

(2) 4 km 222 m

(3) 21 km 11 m

(4) 42 km 22 m

17. Aaron and his friends went running.
The table below shows the distance Aaron and his friends ran.
Who ran the furthest distance?

	Distance ran
Aaron	9870 cm
Benny	99 m
Charles	97 m 5 cm
Derek	9 km 9 m

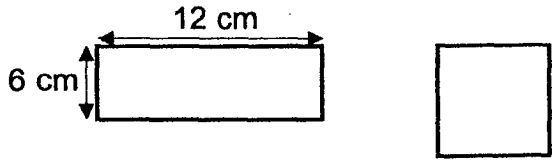
(1) Aaron

(2) Benny

(3) Charles

(4) Derek

18. The figures below show a rectangle and a square.
The rectangle and the square have the same perimeter.
Find the length of one side of the square.



(1) 8 cm

(2) 9 cm

(3) 18 cm

(4) 36 cm

19. Sana bought 358 mangoes on Monday.
She bought another 248 mangoes on Tuesday.
She packed all the mangoes into boxes.
Each box could hold up to 7 mangoes.
What was the smallest number of boxes she would need to pack all the mangoes?

(1) 15

(2) 16

(3) 86

(4) 87

20. Linda was thinking of a 4-digit number.
The sum was 13 when she added all the digits together.
The sum of the first and second digit was 7.
The difference between the third and fourth digit was 0.
What was the third digit?

(1) 9

(2) 6

(3) 3

(4) 0

Practice Paper 2021

Name: _____ Date: _____

Class: Pri. 3 ( )

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Questions **21** to **40** 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. (40 marks)

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21. There were 4980 pupils in a stadium.
2420 of the pupils were boys.
The rest were girls.
How many girls were there at the stadium?

Ans: _____

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22. What is the missing numerator?

$$\frac{\boxed{?}}{6} = \frac{16}{24}$$

Ans: _____

---

23. How many hours and minutes are there in 176 minutes?

Ans: _____ h _____ min

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24. The total number of stickers Mark and Peter have is 104.
The total number of stickers Mark and John have is 144.
How many fewer stickers does Peter have than John?

Ans: _____

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25. Devi made some bracelets for Friendship Day.
Each bracelet was made up of 4 square beads and 5 round beads.
She used a total of 28 square beads.
How many round beads did Devi use to make all the bracelets?

Ans: _____

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26. At a match, Team B scored 264 points.
Team A scored 3 times as many points as Team B.
Team C scored 35 more points than Team A.
How many points did Team C score?

Ans: _____

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27. Ishak had 579 cookies.
He packed all the cookies into bags of 4 with some left over.
How many cookies were left over?

Ans: _____

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28. Miss Chou gave some stickers to 9 children.
She gave each child 78 stickers and had 12 stickers left.
How many stickers did she have at first?

Ans: _____

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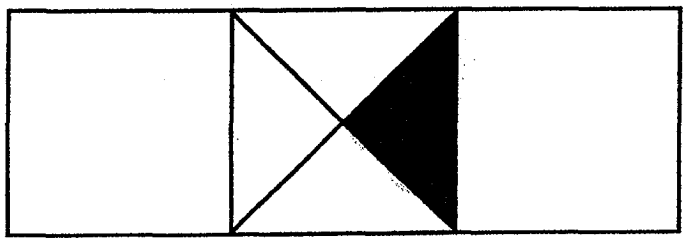
29. The figure below is made up of 3 identical squares.

$\frac{1}{12}$ of the figure below is shaded.

Shade more part(s) so that $\frac{1}{6}$ of the figure is shaded.



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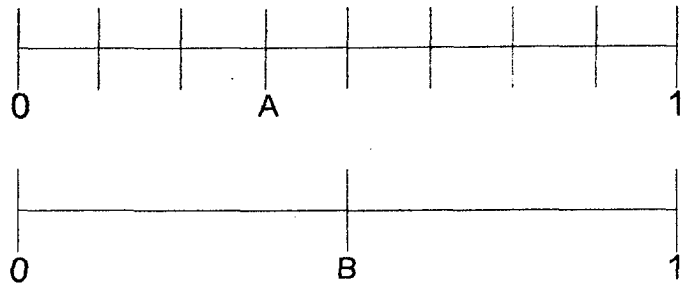
30. Look at the number lines below.



Find the sum of A and B.

Ans: _____

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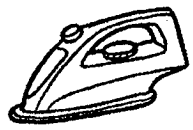
31. Mary had $100.
She bought the following items as shown below.
How much money did she have left?

	
Rice Cooker $22.80	Iron $33.40

Ans: $_____

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32. Shimin had 868 g of flour.
She used 40 g of flour and packed the remaining flour equally into 6 bags.
How much flour did she pack in each bag?

Ans: _____ g

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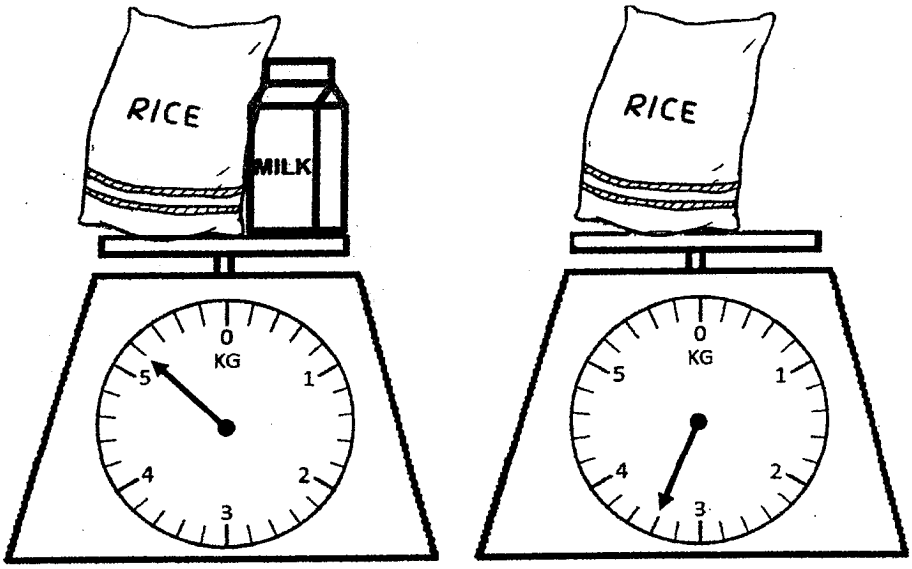
33. The weighing scales show the mass of the following objects.



What is the mass of the milk carton?

Ans: _____ g

34. Siqi spent 2 h 15 min tidying her room.
When she finished tidying the room, it was 7.50 p.m.
What time did she start tidying her room?

Ans: _____ p.m.

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35. The length of a rectangle is 5 times its breadth.
The breadth of the rectangle is 9 cm.
What is the area of the rectangle?

Ans: _____ cm^2

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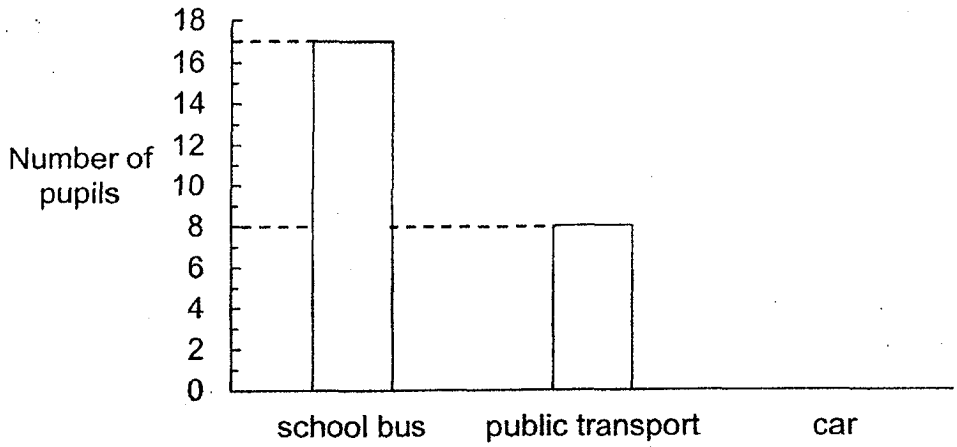
36. The graph below shows the different ways a group of pupils from Class 3K go to school.
The bar that shows the number of pupils who goes to school by car is **not** drawn.
There are 40 pupils in Class 3K.
Find the number of pupils in Class 3K who go to school by car.



Ans: _____

---

37. Alex had 100 more pens than Brenda at first.
Brenda then gave 20 pens to Alex.
How many more pens did Alex have than Brenda in the end?

Ans: _____

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38. A table and 3 identical chairs cost $85.60.
The table and 1 such chair cost $62.40.
How much do 2 such chairs cost?

Ans: $_____

---

39. Johan had some marbles at first.
He gave 359 of his marbles away and bought 245 marbles.
In the end, Johan had 425 marbles.
How many marbles did he have at first?

Ans: _____

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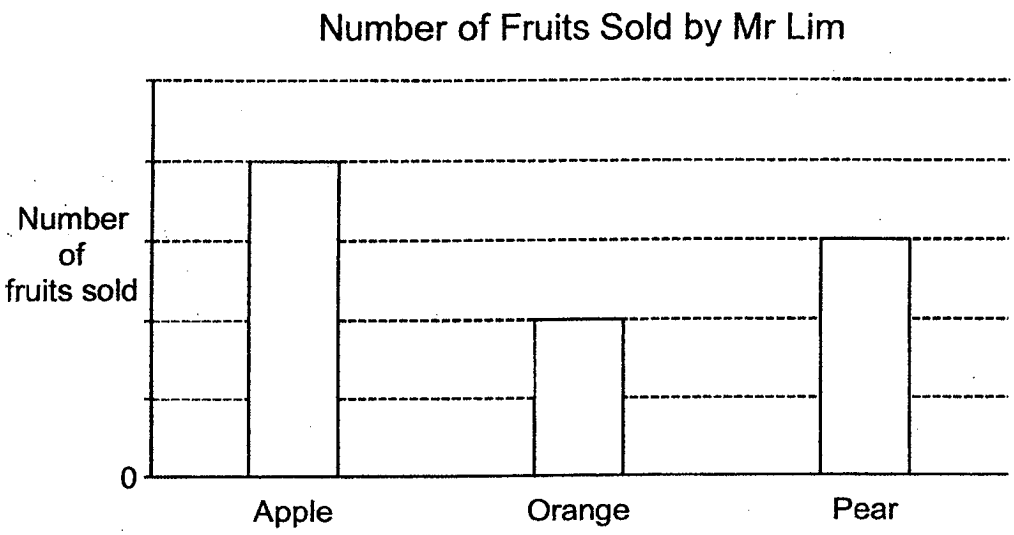
40. The graph below shows the number of fruits sold by Mr Lim in a week.



Mr Lim sold 14 more apples than oranges.
How many pears did Mr Lim sell?

Ans: _____

For questions **41** to **45**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (20 marks)

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41. Meiling has 985 balls.
She has 295 more balls than Jun Wei.

(a) How many balls does Jun Wei have?

(b) Meiling gives all her balls equally to 5 people.
How many balls does each person get?

Ans: (a) _____ [2]

(b) _____ [2]

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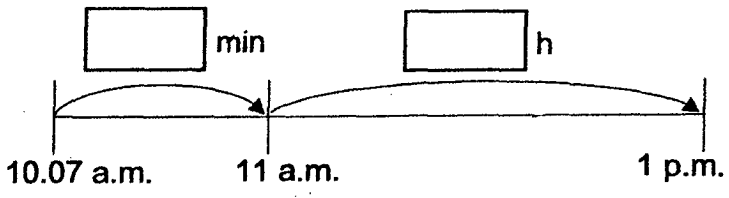
42. Tammy started her piano lesson at 10.07 a.m.
The lesson ended at 1 p.m.

(a) The timeline below shows the duration from 10.07 a.m. to 1 p.m.
Fill in the boxes on the timeline.

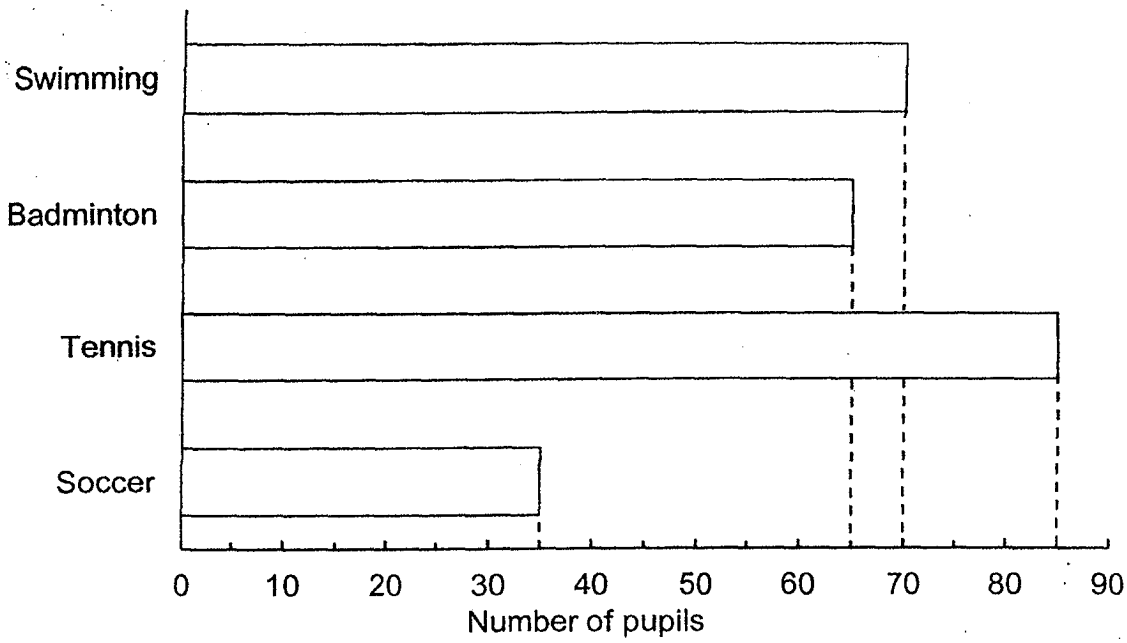


[2]

(b) After her piano lesson, she had her lunch for 45 minutes.
What time did she finish her lunch?

Ans: (b) _____ [2]

43. The bar graph below shows the favourite sport of all the Primary 3 pupils in a school.



Read the following statements.
Put a tick (√) in the box if the statement is correct.
Put a cross (**x**) in the box if the statement is wrong.

(a) The total number of Primary 3 pupils is 245. ☐

(b) The least favourite sport is soccer. ☐

(c) There are 5 more pupils who like swimming than badminton. ☐

(d) There are twice as many pupils who like badminton as soccer. ☐

[4]

44. Some trees are planted at an equal distance apart along a straight road. The distance between the 1st tree and the 10th tree is 720 m.

(a) What is the distance between the 1st and the 2nd tree in metres?

(b) What is the distance between the 8th and the 15th tree in metres?

Ans: (a) _____ [2]

(b) _____ [2]

45. There are 30 pupils in a class.
Each girl is given 7 sweets.
Each boy is given 10 sweets.
A total of 249 sweets is given to them.

(a) How many girls are there in the class?

(b) How many boys are there in the class?

Ans: (a) _____ [2]

(b) _____ [2]

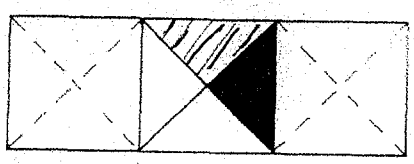
End of Paper

ANSWER KEY

YEAR : 2021
LEVEL : Primary 3
SCHOOL : Nanyang Primary
SUBJECT : MATHEMATICS
TERM : Practice Paper

PRACTICE PAPER

Q1	4	Q2	2	Q3	4	Q4	1	Q5	3
Q6	4	Q7	4	Q8	3	Q9	4	Q10	1
Q11	1	Q12	2	Q13	2	Q14	1	Q15	3
Q16	2	Q17	4	Q18	2	Q19	4	Q20	3

Q21	4980-2420=2560	Q22	24÷6=4 16÷4=4
Q23	2h56min	Q24	144-104=40
Q25	28÷4=7 7x5=35	Q26	264x3=792 792+35=827
Q27	3, 579÷4=144R3	Q28	78x9=702 702+12=714
Q29		Q30	$\frac{3}{8}+\frac{1}{2}=\frac{7}{8}$
Q31	22.8+33.4=56.2 100-56.2=$43.80	Q32	868-40=828 828÷6=138
Q33	5200-3400=1800g	Q34	5.35
Q35	9x5x9=405	Q36	17+8=25 40-25=15
Q37	20+100+20=140	Q38	85.6-62.4=$23.20
Q39	425-245=180 180+359=539	Q40	2u=14 1u=7 3u=21

Q41

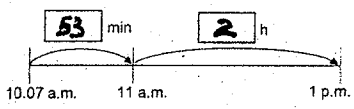
(a) 985-295=690

(b) 985÷5=197

Q42

(a)

(a) The timeline below shows the duration from 10.07 a.m. to 1 p.m.
Fill in the boxes on the timeline.



[2]

(b) 1.45p.m.

Q43

(a) cross

(b) tick

(c) tick

(d) cross

Q44

(a) 10 trees means 9 intervals

720÷9=80

(b) 80x7=560m

Q45

(a) 17, (b) 13

(guess & check)

Number of girls	Number of boys	Total pupils	Total number of sweets
15	15	15+15 = 30	15X7 = 105 15x10 = 150 105+150 = 255
16	14	16+14 = 30	16X7 = 112 14x10 = 140 112+140 = 252
17	13	17+13 = 30	17X7 = 119 13x10 = 130 119+130 = 249

30-17 = 13

END