NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2020

PRIMARY 4

MATHEMATICS
(BOOKLET A)

Total Duration for Booklets A and B: 1 hour 45 minutes

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: _____ ( )

Class: Primary 4 ( )

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Questions 1 to 15 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. (30 marks)

1. In which of the following numbers does the digit 7 stand for 700?

   (1) 1579

   (2) 5791

   (3) 7195

   (4) 9517

2. 13 thousands and 4 tens is the same as _____.

   (1) 134

   (2) 1340

   (3) 13 004

   (4) 13 040

3. Which of the following is a factor of both 16 and 36?

   (1) 20

   (2) 16

   (3) 8

   (4) 4

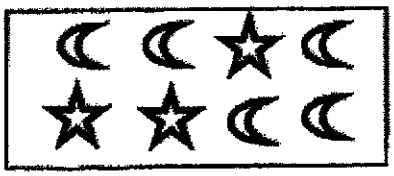
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4. What fraction of the shapes in the box are ☾?



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

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

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

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

5. The digit 5 in 4.157 stands for 5 _____.

(1) ones

(2) tens

(3) tenths

(4) hundredths

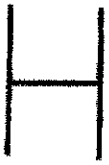
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6. Which of the following figures has perpendicular lines?

(1) 

(2) 

(3) 

(4) 

7. There were 12 identical boxes. There were 307 books in each box. How many books were there altogether?

(1) 3674

(2) 3684

(3) 3784

(4) 3804

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8. At a stadium, the number of adults was 5 times the number of children. There were 5485 adults at the stadium. How many children were there?

(1) 181

(2) 197

(3) 1081

(4) 1097

9. Denise had 22 balloons at first. She lost 4 balloons and gave away 8 balloons. What fraction of the balloons did she have left?

(1) $\frac{2}{11}$

(2) $\frac{4}{11}$

(3) $\frac{5}{11}$

(4) $\frac{6}{11}$

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10. Leela jogged 8.45 km from her house to the park. She then jogged from the park to the market. She jogged a total distance of 15.5 km altogether. How many kilometres did she jog from the park to the market?

(1) 23.95

(2) 23.50

(3) 7.05

(4) 6.60

11. The perimeter of a rectangle is 42 cm. Its breadth is 9 cm. What is the length of the rectangle?

(1) 12 cm

(2) 18 cm

(3) 24 cm

(4) 33 cm

12. A bakery sells one pie for $1 or a box of 8 pies for $5.
What is the greatest number of pies David can buy from the bakery with $78?

(1) 72

(2) 78

(3) 120

(4) 123

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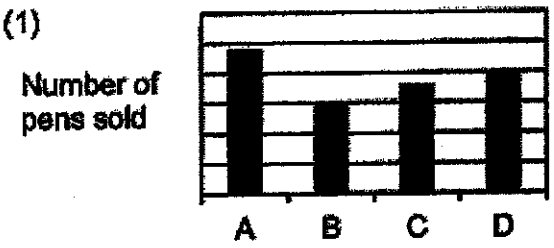
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13. The table below shows the number of each type of pen sold by a shop.

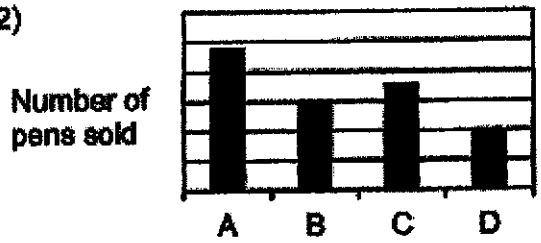
Type of pen	A	B	C	D
Number of pens sold	24	15	18	20

Which of the following bar graphs best represents the information in the table above?

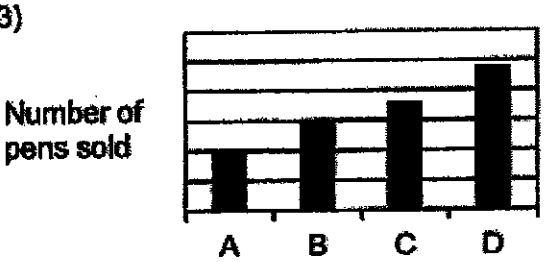
(1)



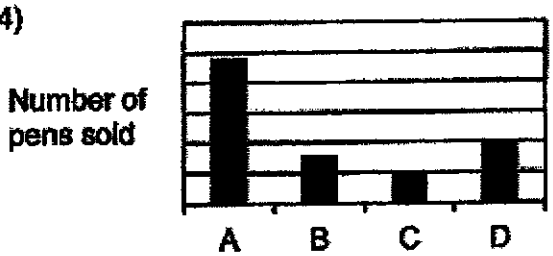
(2)



(3)



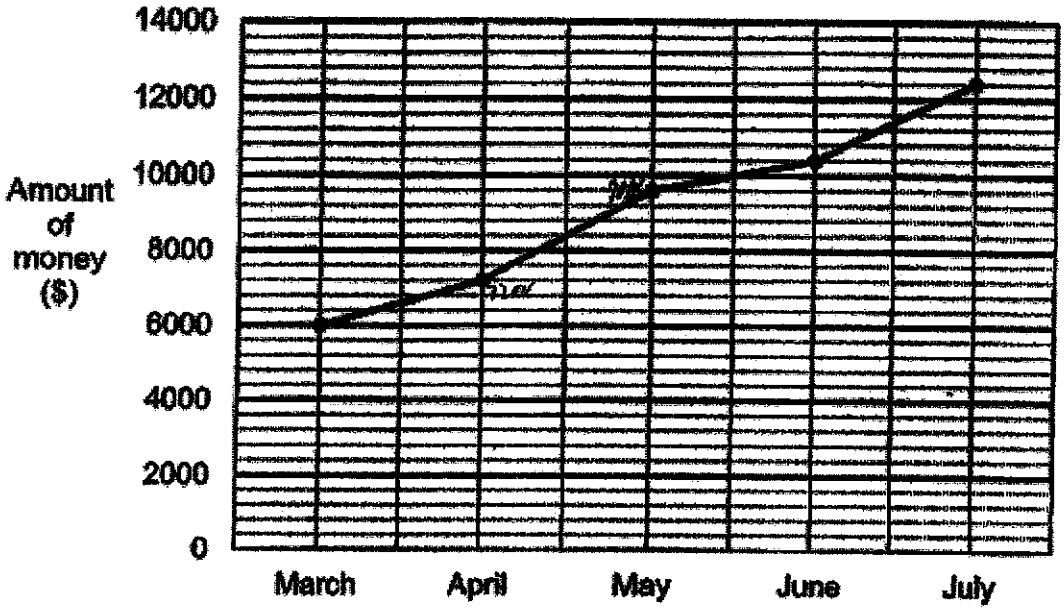
(4)



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14. The line graph below shows the amount of money collected for the sale of watches at the end of each month.



What was the greatest monthly difference in the amount of money collected for the sale of watches from one month to the next?

(1) $800

(2) $2400

(3) $10 400

(4) $12 400

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15. A mixed fruit juice is made using orange juice and pineapple juice. The table below shows the amount of orange juice and pineapple juice in containers A, B and C.

Container	A	B	C
Amount of orange juice (ℓ)	1.2	2.1	1.6
Amount of pineapple juice (ℓ)	3.45	6.06	4.22

What is the total amount of mixed fruit juice in the three containers?

(1) 19.55 ℓ

(2) 18.63 ℓ

(3) 13.73 ℓ

(4) 5.82 ℓ

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NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2020

PRIMARY 4

MATHEMATICS
(BOOKLET B)

Total Duration for Booklets A and B: 1 hour 45 minutes

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.

Name: _____ ( )

Class: Primary 4 ( )

Parent's Signature: _____

Booklet A	/ 30
Booklet B	/ 70
Total	/ 100

Please sign and return the examination paper the next day. Any queries should be raised at the same time when returning the paper.

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Questions **16** to **35** 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)

16. What is the remainder when 2027 is divided by 9?

Ans: _____

17. Which two of the fractions below are equivalent to $\frac{6}{8}$?

$$\frac{18}{24}\ ,\ \frac{6}{18}\ ,\ \frac{2}{6}\ ,\ \frac{3}{4}$$

Ans: _____ and _____

18. Express $\frac{4}{12}$ in its simplest form.

Ans: _____

19. Arrange the following fractions from the smallest to the greatest.

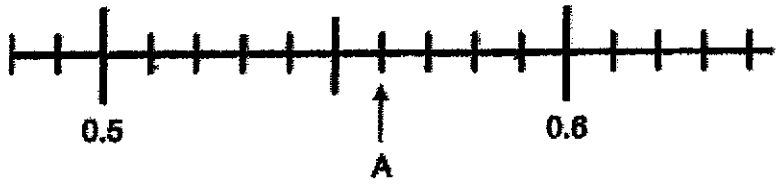
$$\frac{2}{3}\ ,\ \frac{5}{12}\ ,\ \frac{7}{12}$$

_____ , _____ , _____
(smallest) (greatest)

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20. Write the decimal represented by $\overline{A}$.



Ans: _____

---

21. What is the missing number in the box?

$$0.7 = \frac{7}{\boxed{?}}$$

Ans: _____

---

22. Round 26.35 to the nearest whole number.

Ans: _____

---

23. 8.8 – 0.99 = _____

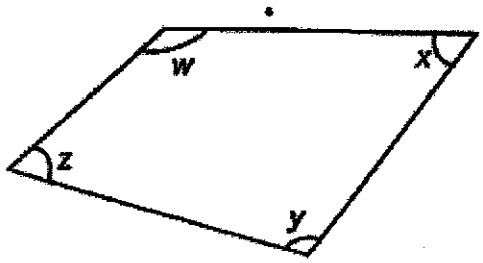
Ans: _____

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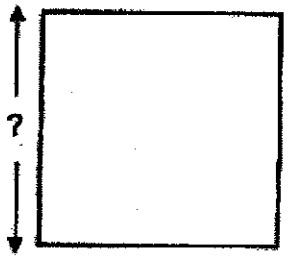
24. In the figure below, name the two angles that are greater than 90°.



Ans: ∠____ and ∠____

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25. The area of the square below is 64 cm². What is the length of the side of the square?



Ans: _____ cm

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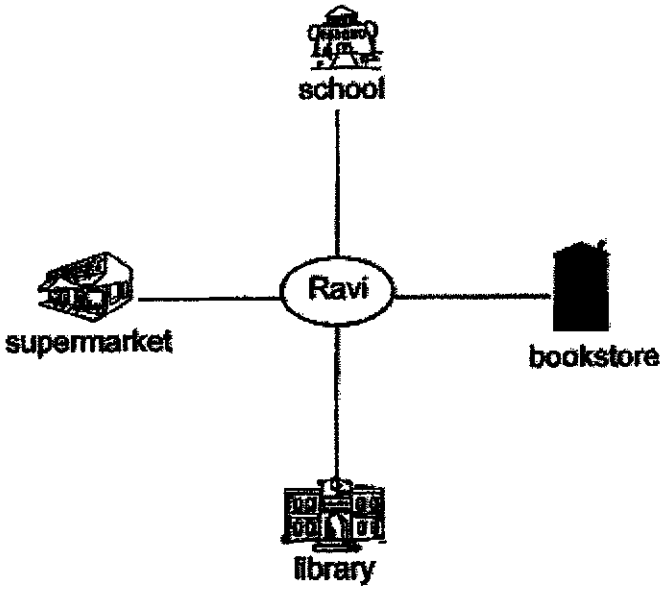
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26. Using a protractor and a ruler, draw ∠ABC = 62°. Mark and label the angle.

A B

27. Ravi is facing the supermarket now. How many degrees in the anticlockwise direction must he turn if he wants to face the school?



Ans: _____°

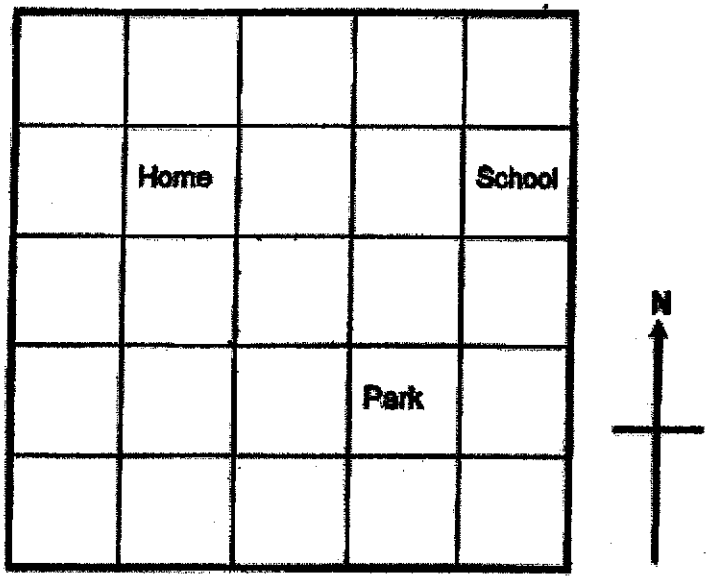
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28. Peter's home, his school and the park are located as shown in the square grid below.

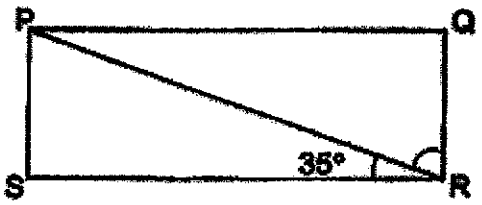
(a) In what direction is Peter's home from his school?

(b) A new market will be built north-west of the park and south-east of Peter's home. Shade the square where the new market will be built.



Ans: (a) _____

29. In the figure below, PQRS is a rectangle. Find ∠PRQ.

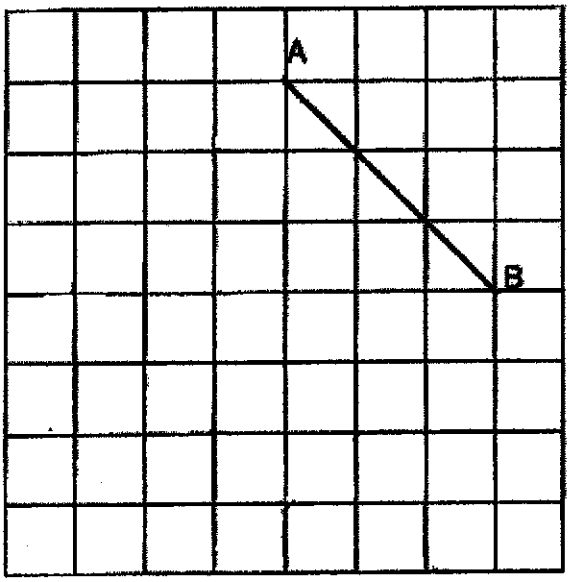


Ans: _____°

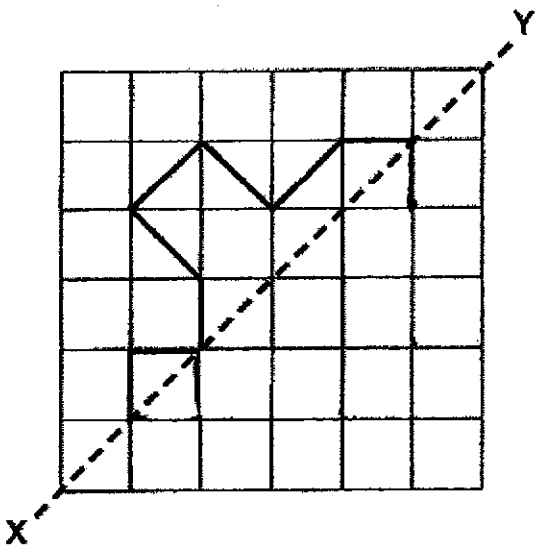
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30. In the square grid below, AB form one side of a square ABCD. Complete the drawing of square ABCD on the square grid below.



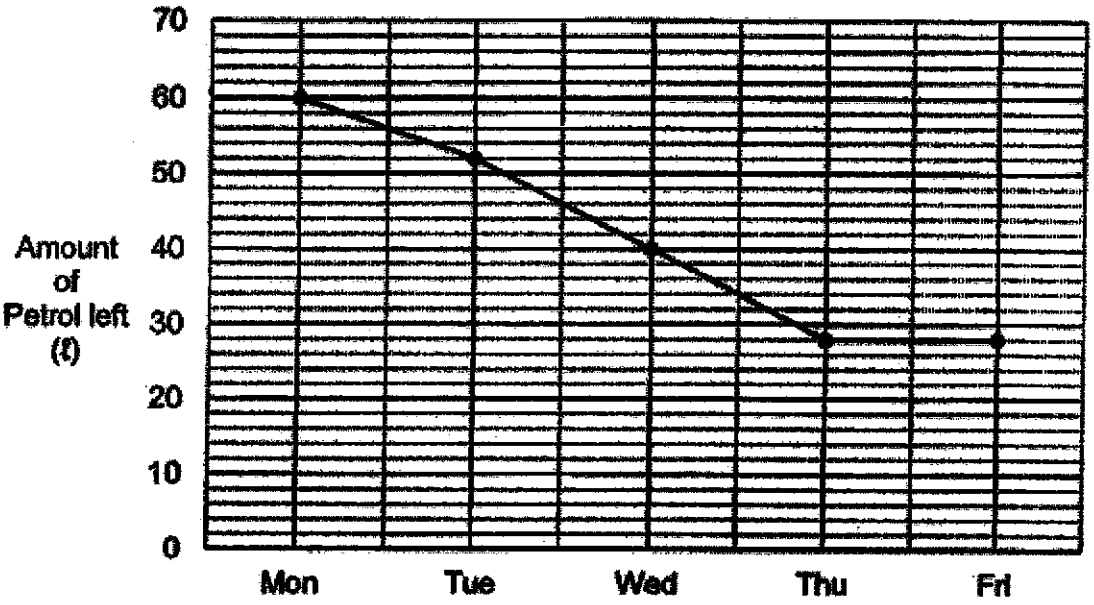
31. Complete the figure on the square grid below so that it is symmetric about the line of symmetry XY.



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32. Mr Tan filled up his petrol tank of his car on Monday. The line graph below shows the amount of petrol he had left in his petrol tank at the end of each day of the week.



Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False	Not Possible to Tell
Mr Tan used 8 ℓ of petrol on Tuesday.			
Mr Tan used 35 ℓ of petrol from Monday to Sunday.			
Mr Tan used the same amount of petrol on Thursday and Friday.			

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33. Packet X contains $\frac{6}{10}$ kg of sugar.

Packet Y contains $\frac{1}{3}$ kg less sugar than packet X.

What is the total mass of sugar in packet X and packet Y?

Ans: _____ kg

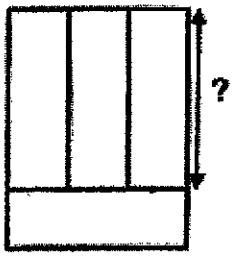
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34. A is the largest 1-digit even number. B is the smallest 4-digit odd number. What is the product of A and B?

Ans: _____

---

35. The figure below is made up of 4 identical rectangles. The area of the figure is 300 cm^2. What is the length of the rectangle?



Ans: _____ cm

---

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For questions 36 to 43, 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. (30 marks)

36. Devi bought 2 sacks of rice. Each sack contained 28.63 kg of rice. She then packed all the rice equally into 7 identical bags. How many kilograms of rice did she pack into each bag?

Ans: _____ [3]

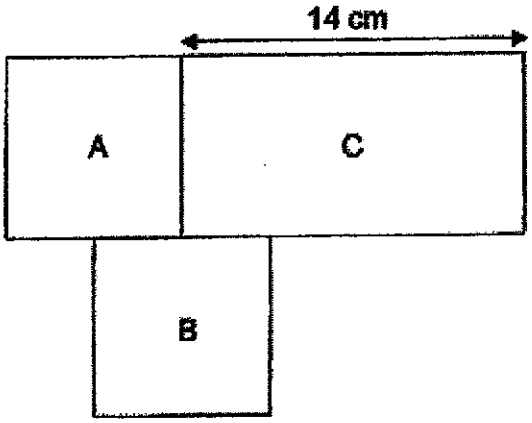
37. Mrs Loh spent $316. Mrs Devi spent twice as much as Mrs Loh. Mrs Sama spent $129 more than Mrs Devi. How much did Mrs Sama spend? Round your answer to the nearest hundred.

Ans: _____ [3]

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38. The figure below is made up of 2 identical squares, A and B and a rectangle C. The perimeter of the figure is 82 cm. What is the area of the square?



Ans: _____ [4]

---

39. Ellen sold 58 booklets of coupons. There were 15 coupons in each booklet. Each coupon cost $2. She put the amount of money collected equally into 6 envelopes. What was the total amount of money in each envelope? Round your answer to the nearest $100.

Ans: _____ [4]

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40. Mdm Yani bought a dress, 3 shirts and a bag. She spent the same amount of money on the bag and the dress. Each shirt cost $49.80 less than the bag. The dress cost $12.90 more than all the shirts.

(a) What was the cost of each shirt?

(b) What was the total cost of the dress and the bag?

Ans: (a)_____ [2]

(b)_____ [2]

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41. The table below shows the number of sunflowers and roses sold by a florist from Monday to Wednesday.

	Sunflowers	Roses
Monday	16	43
Tuesday	28	52
Wednesday	17	45

(a) What was the total number of sunflowers sold for the 3 days?

(b) How many more roses were sold on Tuesday than on Wednesday?

(c) Each sunflower was sold at $2 and each rose was sold at $4. How much more money was collected from the sales of the roses than sunflowers on Wednesday?

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [2]

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42. Mrs Ong had some cupcakes at first. After she gave away $\frac{2}{5}$ of her cupcakes, she had 24 cupcakes left.

(a) How many cupcakes did she give away?

(b) How many cupcakes did she have at first?

Ans: (a) _____ [3]

(b) _____ [1]

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43. There is a total of 90 geese and sheep in a farm. They have 274 legs altogether.

(a) How many geese are there in the farm?

(b) How many more sheep than geese are there in the farm?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

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ANSWER KEY

YEAR : 2020

LEVEL : PRIMARY 4

SCHOOL : NANYANG

SUBJECT : MATHEMATICS

TERM : SA2

BOOKLET A

Q1	2	**Q2**	4	**Q3**	4	**Q4**	1	**Q5**	4
Q6	3	**Q7**	2	**Q8**	4	**Q9**	3	**Q10**	3
Q11	1	**Q12**	4	**Q13**	1	**Q14**	2	**Q15**	2

BOOKLET B

Q16. $2027 \div 9 = 225R2 \ = 2$

Q17. $\frac{6}{8} = \frac{18}{24}$

$\frac{3}{4} = \frac{6}{8}$ ANS: $\frac{18}{24}$ AND $\frac{3}{4}$

Q18. $\frac{4}{12} = \frac{1}{3}$

Q19. $\frac{5}{12}, \frac{7}{12}, \frac{2}{3}$

Q20. 0.56

Q21. 10

Q22. 26

Q23. 7.81

Q24. W AND Y

Q25. 8CM

Q26. 82^{o}

Q27. $90^{o} + 90^{o} + 90^{o} = 270^{o}$

Q28. WEST

Q29. $90^{o} - 35^{o} = 55^{o}$

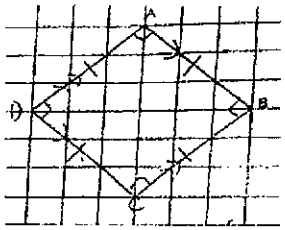
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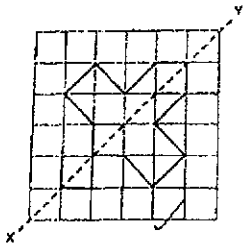
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Q30.



Q31.



Q32. True
Not Possible To Tell
False

Q33. $\frac{6}{10} = \frac{18}{30}$, $\frac{1}{3} = \frac{10}{30}$

$\frac{18}{30} - \frac{10}{30} = \frac{8}{30}$

$\frac{18}{30} + \frac{8}{30} = \frac{26}{30}$

$\frac{26}{30} = \frac{13}{15}$ kg

Q34. A=8 , 13 = 1001
1001 x 8 = 8008

Q35. 300cm2 ÷ 4 = 75cm2
300cm2 - 75cm2 = 225cm2
15cm2 x 15cm2 = 225cm2
length of rectangle = 15cm

Q36. 28.63kg x 2 = 57.26kg
57.26kg ÷ 7 = 8.18kg

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Q37. $316 x 2 = $632
$632 + $129 = $761
$761 ~ $800

Q38. 14cm x 2 = 28cm
82cm – 28cm = 54cm
6 lengths =54cm
54cm ÷ 6 = 9cm
Area = 9cm x 9cm = 81cm2

Q39. 58 x 15 =870
870 x $2 =$1740
$1740 ÷ 6 = $290
$290 ~ $300

Q40. a) $49.80 - $12.90 = $36.80
2u = $30.80 (2 shirts)
1u = $36.90 ÷ 2 = $18.45
b) $18.45 + $49.80 = $68.25 (bag)
$68.25 x 2 = $ 136.50

Q41 a) 16+28=44
44 + 17 =61
b) 52 – 45 = 7
c) 17 x $2 = $34
45 x $4 = $180
$180 - $34 = $146

Q42 a) $\frac{5}{5} - \frac{2}{5} = \frac{3}{5}$

$\frac{3}{5} = 24$

$\frac{1}{5} = 24 \div 3 = 8$

$\frac{2}{5} = 8 \times 2 = 16$

b) $\frac{1}{5} = 8$

$\frac{5}{5} = 8 \times 5 = 40$

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Q43

NO.OF GEESE	TOTAL NO OF GEESE LEGS	NO OF SHEEP	TOTAL NO OF SHEEP LEGS	TOTAL NO OF ANIMALS	TOTAL NO OF LEGS	CHECK
45	45x2=90	45	45x4=180	45+45=90	180+90=270	x
44	44x2=88	46	46x4=184	44+46=90	88+184=272	x
43	43x2=86	47	47x4=188	43+47=90	86+188=274	✓

a) 43

b) Sheep = 47
Geese = 43
47 – 43 = 4

4
END.

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