ROSYTH SCHOOL
2018 SEMESTRAL ASSESSMENT 2
MATHEMATICS
PAPER 1
PRIMARY 5

Name: _____   Register No. _____

Class: Pr 5 - _____

Date: 30th October 2018   Parent's Signature: _____

Total Time for Booklets A and B : 1 hour

Booklet A

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.

2. Follow all instructions carefully.

3. Shade your answers in the Optical Answer Sheet (OAS) provided.

4. You are **not** allowed to use a calculator.

5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

* This booklet consists of <u>6</u> pages (including this cover page)

Questions **1** to **10** carry 1 mark each. Questions **11** 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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

*All diagrams in this paper are not drawn to scale unless stated otherwise.*

(20 marks)

1. Which one of the following shows six million and fifty thousand?

    (1) 6 000 050

    (2) 6 000 500

    (3) 6 005 000

    (4) 6 050 000

2. What is the value of the digit 8 in 1 980 524?

    (1) 80

    (2) 800

    (3) 8 000

    (4) 80 000

3. What is the missing value in $27 \div \square = 0.27$?

    (1) 1
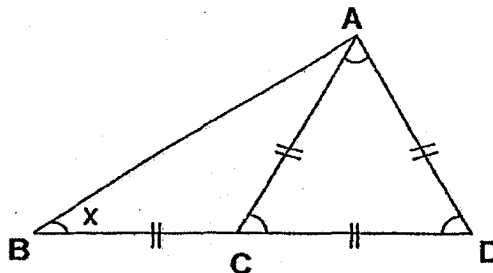
    (2) 10

    (3) 100

    (4) 1 000

4. Janani has 5 pens and 2 erasers in her pencil case. What is the ratio of the number of pens to the number of erasers?

    (1) 2 : 5

    (2) 5 : 2

    (3) 2 : 7

    (4) 5 : 7
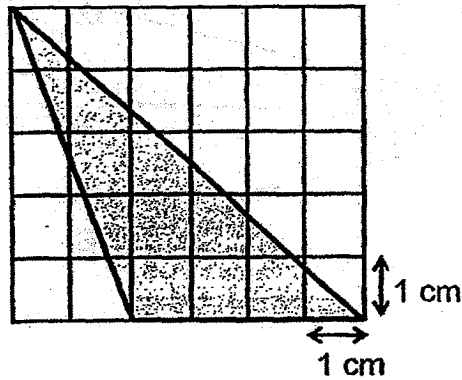
2

5. AB and CD are straight lines. Find $\angle x$.
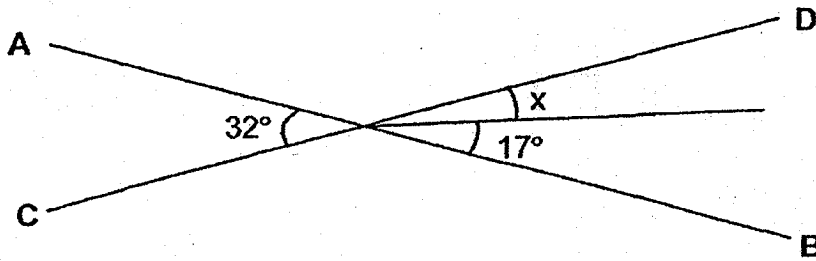
(1) 15°

(2) 17°

(3) 32°

(4) 148°

6. In the figure below, AC = BC. BCD is a straight line. Triangle ACD is an equilateral triangle. Find $\angle x$.

(1) 20°

(2) 30°

(3) 60°

(4) 120°

3

7. Calculate the area of the shaded triangle.

1 cm

1 cm

(1) 5 cm²

(2) 7 cm²

(3) 10 cm²

(4) 15 cm²

8. 2 litres of fruit juice was shared by 16 children. How many litres of fruit juice would each child receive?

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

(2) $\frac{1}{4}\ell$

(3) 4ℓ

(4) 8ℓ

9. The diagram below shows different shapes of rectangles, triangles and circles. What percentage of all these shapes are triangle?

(1) 20%

(2) 50%

(3) 40%

(4) 60%

4

10. Ahmad scored an average of 74 marks for two tests. He scored 70 marks in his first test. How many marks did he score in his second test?

    (1)   66

    (2)   72

    (3)   74

    (4)   78

11. Mrs Sim bought a 2.15 kg bag of sugar. At the end of 5 days, she used up all the sugar. She used an equal amount of sugar each day. How much sugar did she use each day?

    (1)   0.43 kg

    (2)   0.403 kg

    (3)   4.03 kg

    (4)   4.30 kg

12. John attended an 8-hour camp during the school holidays. $\frac{1}{2}$ of the time was spent on drama activities. He spent $\frac{3}{4}$ h on lunch. The rest of the time was spent on craft activities. How much time was spent on craft activities?

    (1) $\frac{1}{4}$ h

    (2) $1\frac{1}{4}$ h

    (3) $3\frac{1}{4}$ h

    (4) $6\frac{3}{4}$ h

13. Mary packed some flour in packets. Each packet contained $\frac{1}{4}$ kg of flour. In the end, she had 6 packets and 70 g of flour left. How many grams of flour did she pack

    (1)   1120 g

    (2)   1500 g

    (3)   1570 g

    (4)   2200 g

14. The number of fifty-cent coins that Patricia has is twice the number of one-dollar coins. The total value of all the coins is $120. How many fifty-cent coins does she have?

    (1)   40

    (2)   60

    (3)   80

    (4)   120

15. A cubical container of edge 10 cm was $\frac{3}{4}$ filled with water. $\frac{1}{4}$ of the water was poured out. How much water remained in the container?

    (1)   187.5 cm^3

    (2)   500 cm^3

    (3)   562.5 cm^3

    (4)   750 cm^3

(Go to Booklet B)

ROSYTH SCHOOL
2018 SEMESTRAL ASSESSMENT 2
MATHEMATICS
PAPER 1
PRIMARY 5

Name: _____   Register No. _____

Class: Pr 5 - _____

Date: 30th October 2018   Parent's Signature:

Total Time for Booklets A and B : 1 hour

Booklet B

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator.
4. Write your answers in the booklet.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	25	

* This booklet consists of **8** pages (including this cover page).

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(5 marks)

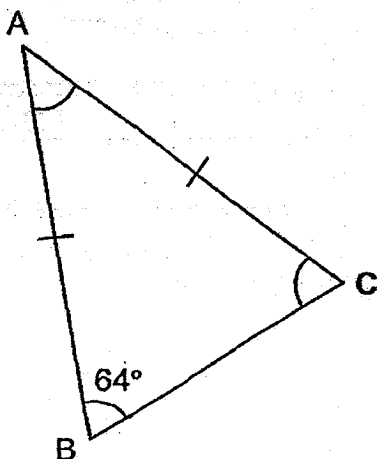16. What is the value of Y?

4   Y   4.8   5.6
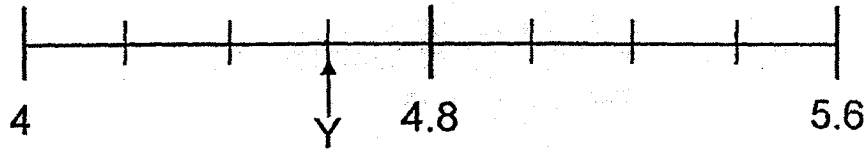
Ans:_____

17. What is the remainder when 7102 is divided by 7?

Ans:_____

18. There were 8 pizzas. The children ate $\frac{4}{5}$ of the pizzas. How many pizzas were left? Express your answer as a mixed number in its simplest form.

Ans:_____

2   (Go on to the next page)

19. Triangle ABC is an isosceles triangle. Find the value of ∠BAC.

Ans: _____ °

20. Name the height of triangle BCF.

Ans: _____

3   (Go on to the next page)
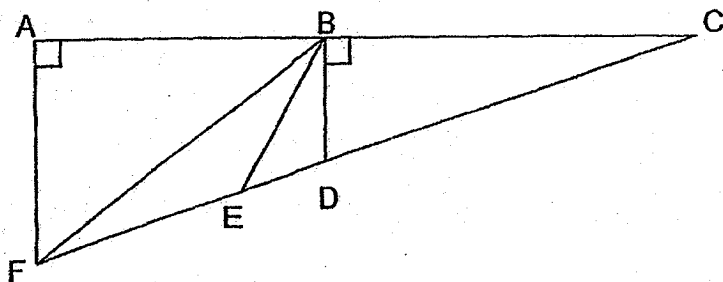
Questions **21** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

21. There were two packets of flour on the table. Packet A had 300g more flour than Packet B. 1.6 kg of flour was transferred from Packet B to Packet A. How many more kilograms of flour did packet A have than Packet B?

Ans: _____ kg

22. Shamini and Mandy had some bookmarks. They bought 10 more bookmarks each. After that, the number of bookmarks that Shamini had to the number of bookmarks Mandy had was 3 : 1. Mandy had 18 bookmarks in the end. How many bookmarks did Shamini have at first?

Ans: _____

23. The table below shows the number of students in each class in a kindergarten.

Class	A	B	C
Number of students	20	12	15

The average number of pencils owned by each pupil is 2.
Find the total number of pencils owned by all the students in the kindergarten.

Ans: _____

24. Mr Lim is 40 years old now. His son is 24 years younger than him. What will be their combined age three years later?

Ans: _____

5

25. The line AB is 8 cm long. Using the line AB given, construct triangle ABC such that ∠ABC = 38°. The line AB is equal to the line BC. Label the triangle.

A _____ B

26. Mr Menon bought a sofa set which cost $1200 before a GST of 7%. What was the amount of GST that he had to pay for the sofa set?

Ans: $_____

27. ABCD is a square. ABE is an isosceles triangle. ∠EAB = 55° and
∠ADE = 17°. Find ∠y.

A

17°

55°

E

y

B

C
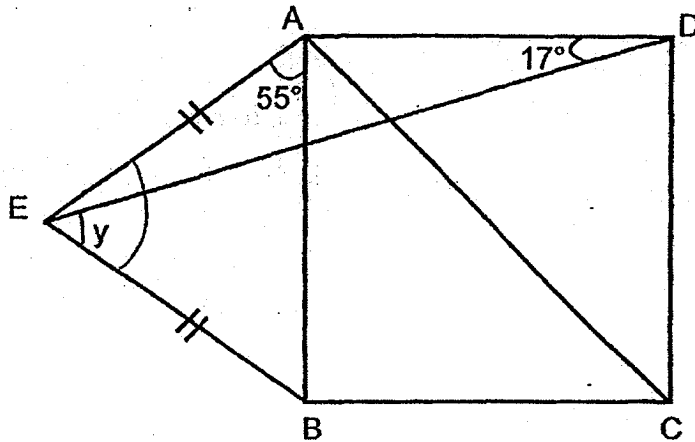
Ans: _____ °

28. W, X, Y and Z are the mid-points of the sides of a square ABCD. The area
of the square is 64 cm², what is the area of the shaded triangle?

A   W   D

X   Z

B   Y   C

Ans: _____ cm²

7
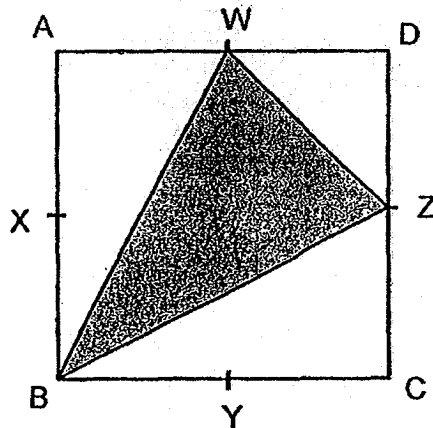
29. The figure below is made up of 6 similar triangles.
    Find the total area of the figure.

10 cm

6 cm
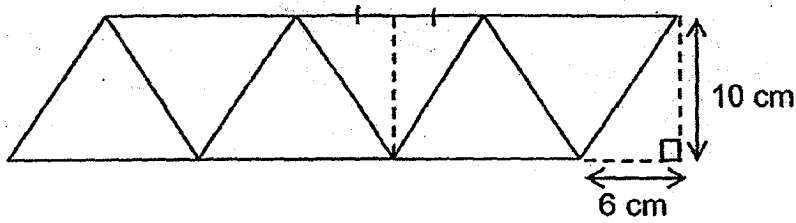
Ans: _____ cm²

30. Sarah folded a rectangular piece of paper, coloured on one side, to form
    Triangle ABC and Triangle ADE. Find ∠x.
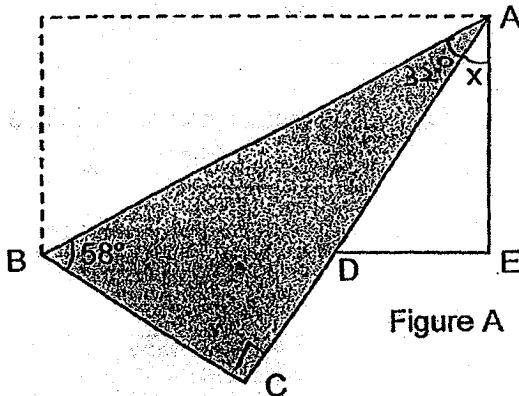
Figure A

Ans: _____ °

ROSYTH SCHOOL
2018 SEMESTRAL ASSESSMENT 2
MATHEMATICS
PAPER 2
PRIMARY 5

Name: _____   Register No. _____

Class: Pr 5 - _____

Date: 30ᵗʰ Oct 2018   Parent's Signature: _____

Time: 1 h 30 min

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 17	45	

| Section	Maximum Mark	Marks Obtained
Paper 1	45	
Paper 2	55	
Total	100	

* This booklet consists of 15 pages (including this cover page)

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(10 marks)

1. Draw the side view of the solid given below in the square grid.

(Go on to the next page)
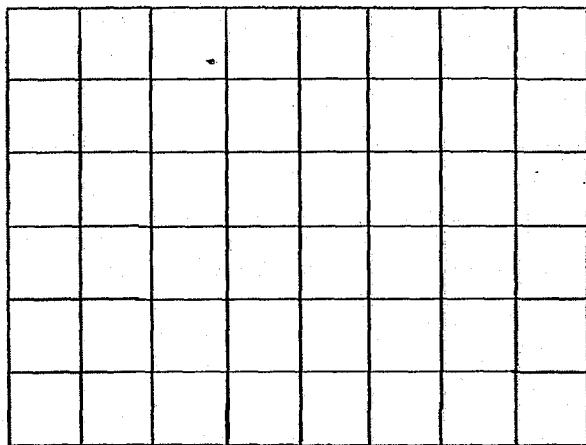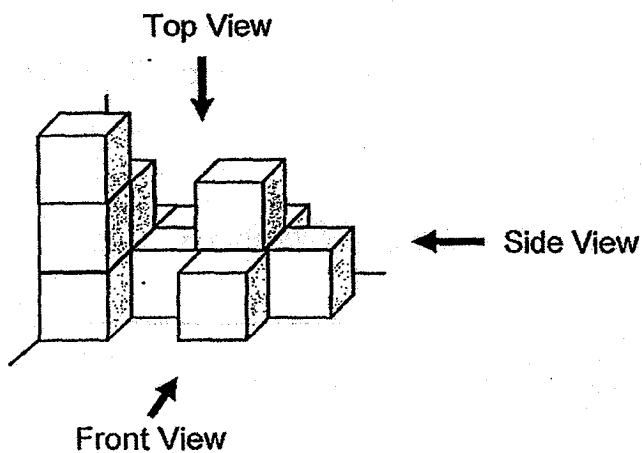
2. The table below shows the charges for a taxi ride.

First kilometre and up to the tenth kilometre	25 cents for every 400 metre or part thereof
After the tenth kilometre	30 cents for every 300 metre or part thereof

There is a fee of $3.50 when a person boards the taxi. Peter boarded a taxi and travelled a distance of 8 km. How much did he pay for the ride in total?

Ans: $_____

3. Eason has 3 cards, each with a different whole number printed on it. When he multiplies 2 numbers at a time, he gets the answers 24, 48, and 72. What is the answer when he multiplies all 3 numbers on the cards together?

Ans: _____

3

4. The table below shows the number of students who visited a bookshop from Monday to Friday in a week.

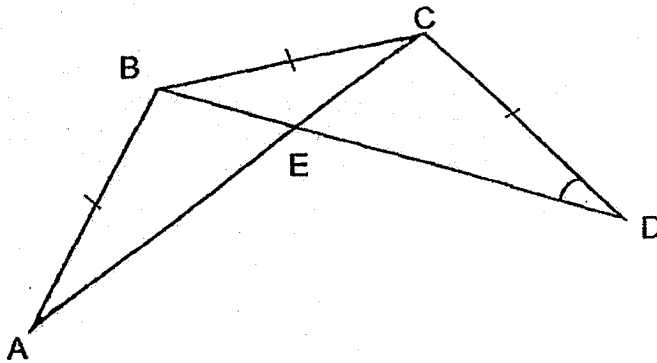| Monday	Tuesday	Wednesday	Thursday	Friday
82	96	60	70	?

The average number of students who visited the bookshop from Monday to Friday in that week was 74. How many students visited the bookshop on Friday?

Ans: _____

---

5. In the figure below, AEC and BED are straight lines. AB = BC = CD. ∠BAC is greater than 30° and ∠BEC is an obtuse angle.

Each statement below is true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
Triangle BCD is an equilateral triangle.			
∠BAC = ∠CDB			

For Questions 6 to 17, show your working clearly in the space provided for each question 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. For questions which require units, give your answers in the units stated.

*All diagrams in this paper are not drawn to scale unless stated otherwise.*

(45 marks)

6. Mdm Rani baked some cookies and puffs. $\frac{2}{7}$ of what she had baked were cookies. $\frac{3}{4}$ of the cookies and $\frac{1}{6}$ of the puffs were sold. If the total number of cookies and puffs left was 64, how many cookies and puffs did she bake altogether?

Ans: _____ [3]

(Go on to the next page)

7. Triangle ABC is an equilateral triangle. AE and BD are straight lines.
Find ∠AFB.
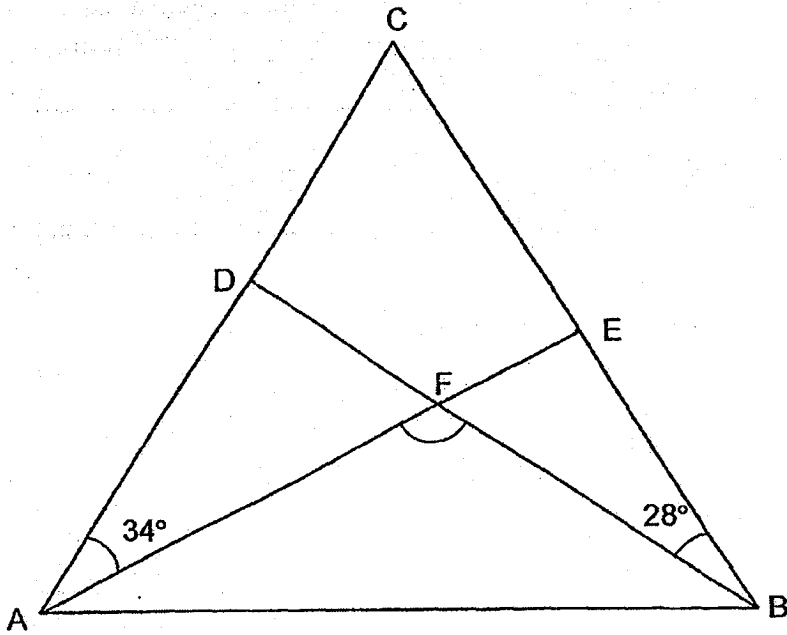
Ans: _____ [3]

8. Liling has 200 pencils and Sharon has some pens. After Sharon has given 52 pens to Liling, the ratio of the number of pencils and pens Liling has to the number of pens Sharon has is 4 : 1.

   (a)   What was the total number of pens and pencils Liling had in the end?
   (b)   What was the total number of pens and pencils Liling and Sharon had?

Ans: (a) _____ [1]

(b) _____ [3]

9. Joel has a bag of sugar, a bag of flour and a bag of milk powder. He weighs only 2 bags at a time. The total mass of the sugar and flour is 5.7 kg. The total mass of the flour and milk powder is 6 kg. The total mass of the sugar and milk powder is 340 g. What is the total mass of the bags of sugar, flour and milk powder in kilograms?

Ans: _____ [3]

(Go on to the next page)

10. The figure below shows a rectangle ABCD. BC is 16 cm and XY is 4 cm. AY, BY, CY and DY are straight lines. The area of triangle CDY is 18 cm². The area of triangle ABY is 78 cm². Find the area of the shaded triangle ACY.
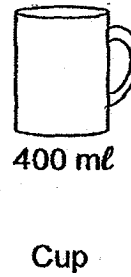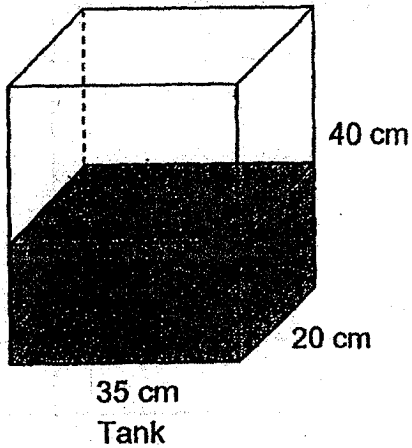
Ans:_____ [3]

(Go on to the next page)
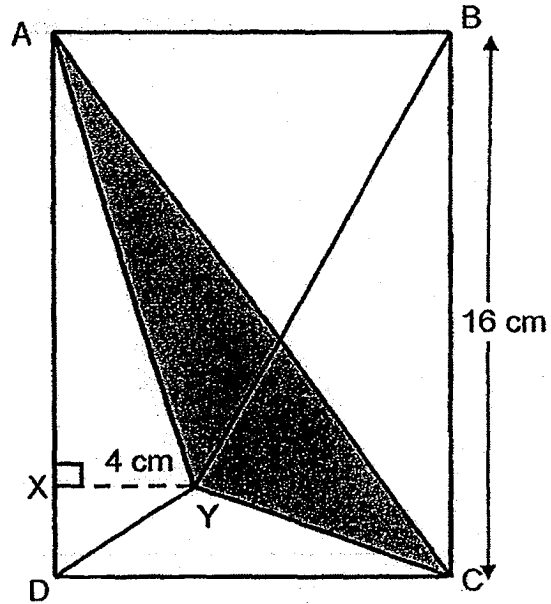
11. A rectangular tank measured 35 cm by 20 cm by 40 cm was $\frac{2}{5}$ filled with water. All the water was then poured into some cups. Each cup had a capacity of 400 mℓ.

(a) What was the volume of the water in the tank?
(b) How many of such cups were filled completely?

40 cm

20 cm

35 cm
Tank

400 mℓ

Cup

Ans: (a) _____ [2]

(b) _____ [1]

(Go on to the next page)

12. A box of cookies cost $3. A free box of cookies was given for every purchase of 3 boxes of cookies. Don spent $240 buying some boxes of cookies.

(a) How many boxes of cookies did Don buy?

(b) There were 12 cookies in each box. Don opened all the boxes and repacked the cookies into containers. There were 9 cookies in each container. How many containers did he use to pack all the cookies?

Ans: (a)_____ [2]

(b)_____ [2]

13. Minah bought some books at an average price of $22 each. Then she bought another 2 books for $46 each and the average price became $28. How many books did she buy altogether?

Ans: _____ [4]

11

14. Jun Xiang received 4 coins from his mother every day. Each coin was either a 10¢ or a 50¢ coin. Jun Xiang gave his younger sister two 50¢ coins every 5 days. The total value of his coins after 60 days was $96.

(a)   How many coins did Jun Xiang have in the end?

(b)   How many of the coins in the end were 50¢ coins?

Ans: (a) _____ [3]

(b) _____ [2]

15. The table below shows the prices of some items sold in a bookshop.

Item	Price ($)
Calculator	$21
Protractor	$0.40
Coloured pen (one box)	$16
Highlighters (1 set of 6 pieces)	$10.20

There was a storewide discount of 10% on all items in the bookshop. Weiming bought a calculator, 3 protractors and 2 sets of highlighters.

(a) What was the total price of the items Weiming had bought after discount?

(b) Inclusive of 7% of GST, how much did Weiming pay for the items? Give your answer correct to the nearest dollar.

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

16. Alynna signed up for a KTel monthly mobile subscription plan as shown below:

Usage	Rate
Outgoing call first 100 minutes	FREE
Outgoing call after first 100 minutes	15 cents per minute
Data usage charges for first 1 GB	FREE
Data usage charges after first 1 GB	$8.50 per GB

(a)   How much would Alynna have to pay if she made a total of 238 minutes of outgoing call?

(b)   How much data did Alynna use in all if she had to pay $25.50 for the data charges?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

17. Tom worked for a week from Monday to Friday and was paid $7 per hour. He used $\frac{3}{5}$ of the money he earned and an additional $36 to buy some books. He spent $\frac{1}{2}$ of the remaining money and an additional $20 on some stationery. He saved the $32 that was left.

(a) How much did he spend on the stationery?

(b) What was the total number of hours he had worked from Monday to Friday?

Ans: (a) _____ [2]

(b) _____ [3]

End of paper
Have you checked your work?

P5 SA2 Mathematics 2018
Paper ① worked solutions.

Questions 1 to 10 carry 1 mark each. Questions 11 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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

1. Which one of the following shows six million and fifty thousand?

   $$6\,000\,000 \qquad \overset{\frown}{50\,000}$$

   (1) 6 000 050
   (2) 6 000 500
   (3) 6 005 000
   (4) 6 050 000   **(4)**

2. What is the value of the digit 8 in 1 980 524?

   (1) 80
   (2) 800
   (3) 8 000
   (4) 80 000   **(4)**

3. What is the missing value in 27 ÷ □ = 0.27?

   $$0.27 = \frac{27}{100}$$
   $$= 27 \div 100$$

   (1) 1
   (2) 10
   (3) 100
   (4) 1 000   **(3)**

4. Janani has 5 pens and 2 erasers in her pencil case. What is the ratio of the number of pens to the number of erasers?

   P : E
   5 : 2

   (1) 2:5
   (2) 5:2
   (3) 2:7
   (4) 5:7   **(2)**

(Go on to the next page)

2

5. AB and CD are straight lines. Find ∠x.

   $$\angle x = 32° - 17°$$
   $$= 15°$$

   (1) 15°
   (2) 17°
   (3) 32°
   (4) 148°   **(1)**

6. In the figure below, AC = BC. BCD is a straight line. Triangle ACD is an equilateral triangle. Find ∠x.

   $$180° - 60° = 120°$$
   $$\angle x = (180° - 120°) \div 2$$
   $$= 30°$$

   (1) 20°
   (2) 30°
   (3) 60°
   (4) 120°   **(2)**

(Go on to the next page)

3

7. Calculate the area of the shaded triangle.

5cm (height)   4cm (base)   1cm   1cm

(1) 5 cm²
(2) 7 cm²
(3) 10 cm²
(4) 15 cm²

$\frac{1}{2} \times 4cm \times 5cm = 10 cm^2$

(3)

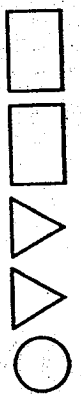**8.** 2 litres of fruit juice was shared by 16 children. How many litres of fruit juice would each child receive?

(1) $\frac{1}{8} \ell$
(2) $\frac{1}{4} \ell$
(3) 4ℓ
(4) 8ℓ

$2\ell \div 16 = \frac{2}{16} \ell = \frac{1}{8} \ell$

(1)

9. The diagram below shows different shapes of rectangles, triangles and circles. What percentage of all these shapes are triangles?

□ □ △ △ ○

$\frac{2}{5} \times 100\% = 40\%$

(1) 20%
(2) 50%
(3) 40%
(4) 60%

(3)

4

---

10. Ahmad scored an average of 74 marks for two tests. He scored 70 marks in his first test. How many marks did he score in his second test?

(1) 66
(2) 72
(3) 74
(4) 78

$74 \times 2 = 148$
$148 - 70 = 78$

(4)

11. Mrs Sim bought a 2.15 kg bag of sugar. She used an equal amount of sugar each day. At the end of 5 days, she used up all the sugar. How much sugar did she use each day?

(1) 0.43 kg
(2) 0.403 kg
(3) 4.03 kg
(4) 4.30 kg

$5 \overline{)2.15} = 0.43$

(1)

12. John attended an 8-hour camp during the school holidays. $\frac{1}{2}$ of the time was spent on drama activities. He spent $\frac{3}{4}$ h on lunch. The rest of the time was spent on craft activities. How much time was spent on craft activities?

(1) $\frac{1}{4}$ h
(2) $1\frac{1}{4}$ h
(3) $3\frac{1}{4}$ h
(4) $6\frac{3}{4}$ h

$\frac{1}{2} \times 8h = 4h$ (drama)   (8h.)
$8h - 4h - \frac{3}{4}h = 4h - \frac{3}{4}h = 3\frac{1}{4} h$

(3)

5

Questions **16 to 20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.
(5 marks)

16. What is the value of Y?

4 gaps — 0.8
1 gap — 0.8 ÷ 4 = 0.2
3 gaps — 0.2 × 3 = 0.6
4 + 0.6 = 4.6

Ans: __4.6__

17. What is the remainder when 7102 is divided by 7?
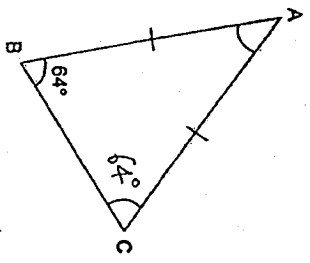
1014
7)7102
-7
01
0
10
-7
32
-28
4 ← remainder

Ans: __4__

18. There were 8 pizzas. The children ate $\frac{4}{5}$ of the pizzas. How many pizzas were left? Express your answer as a mixed number in its simplest form.

$1 - \frac{4}{5} = \frac{1}{5}$

$\frac{1}{5} \times 8 = \frac{8}{5}$

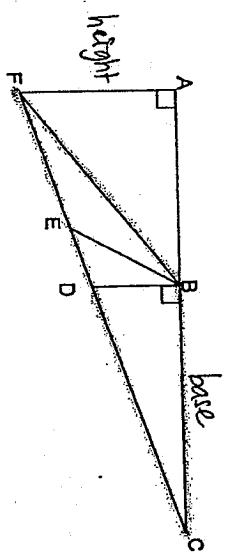$= 1\frac{3}{5}$

Ans: __$1\frac{3}{5}$__

(Go on to the next page)

2

---

13. Mary packed some flour in packets. Each packet contained $\frac{1}{4}$ kg of flour. In the end, she had 6 packets and 70 g of flour left. How many grams of flour did she pack?

(1) 1120 g
(2) 1500 g
(3) 1570 g
(4) 2200 g

$\frac{1}{4}$ kg = $\frac{1}{4}$ × 1000g
= 250g

250g × 6 = 1500g. **(2)**

14. The number of fifty-cent coins that Patricia has is twice the number of one-dollar coins. The total value of all the coins is $120. How many fifty-cent coins does she have?

(1) 40
(2) 60
(3) 80
(4) 120

50¢ : $1
2 : 1

1 group of 3 coins — $0.50×2 + $1 = $2
$120 ÷ $2 = 60 (groups)
60 × 2 = 120

(4)

15. A cubical container of edge 10 cm was $\frac{3}{4}$ filled with water. $\frac{1}{4}$ of the water was poured out. How much water remained in the container?

(1) 187.5 cm³
(2) 500 cm³
(3) 562.5 cm³
(4) 750 cm³

$\frac{3}{4}$ × 10cm × 10cm × 10cm = 750 cm³ ← water available

750 cm³

4u = 750cm³
1u = 750cm³ ÷ 4
= 187.5 cm³
3u = 187.5 cm³ × 3
= 562.5 cm³

(3)

(Go to Booklet B)

6

19. Triangle ABC is an isosceles triangle. Find the value of ∠ BAC.

$$64° + 64° = 128°$$

$$\angle BAC = 180° - 128°$$
$$= 52°$$

Ans: _____52°_____

20. Name the height of triangle BCF.

Ans: _____AF_____

Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space
provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.
(20 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

21. There were two packets of flour on the table. Packet A had 300g more flour
than Packet B. 1.6 kg of flour was transferred from Packet B to Packet A. How
many more kilograms of flour did packet A have than Packet B?

$$1.6 \text{ kg} = 1600 \text{ g}$$

$$1600g + 300g + 1600g = 3500 g$$
$$= 3.5 \text{ kg}$$

Ans: _____3.5_____ kg

22. Shamini and Mandy had some bookmarks. They bought 10 more bookmarks
each. After that, the number of bookmarks that Shamini had to the number of
bookmarks Mandy had was 3 : 1. Mandy had 18 bookmarks in the end. How
many bookmarks did Shamini have at first?

After
S : M
3 : 1

3 units = 18 × 3
1 unit = 18
= 54 (S - at last)
54 - 10 = 44 ,

Ans: _____44_____

23. The table below shows the number of students in each class in a kindergarten.

Class	A	B	C
Number of students	20	12	15

The average number of pencils owned by each pupil is 2.
Find the total number of pencils owned by all the students in the kindergarten.

$20 + 12 + 15 = 47$ (total no. of students)

$47 \times 2 = 94$ "

Ans: _____94_____

24. Mr Lim is 40 years old now. His son is 24 years younger than him. What will be their combined age three years later?

Now

Lim — 40

Son — $40 - 24 = 16$

future (3 years later)

Lim — $40 + 3 = 43$

Son — $16 + 3 = 19$

$43 + 19 = 62$ "

Ans: _____62_____

---

25. The line AB is 8 cm long. Using the line AB given, construct triangle ABC such that $\angle ABC = 38°$. The line AB is equal to the line BC. Label the triangle.
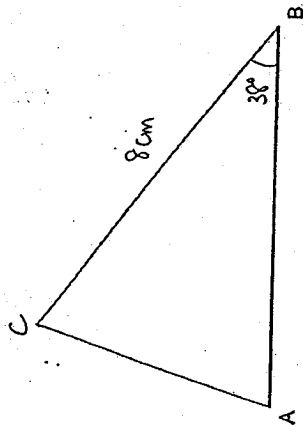
26. Mr Menon bought a sofa set which cost $1200 before a GST of 7%. What was the amount of GST that he had to pay for the sofa set?

$7\% \times \$1200 = \frac{7}{100} \times \$1200$

$\qquad = 7 \times \$12$

$\qquad = \$84$ "

Ans: $ _____84_____

28.
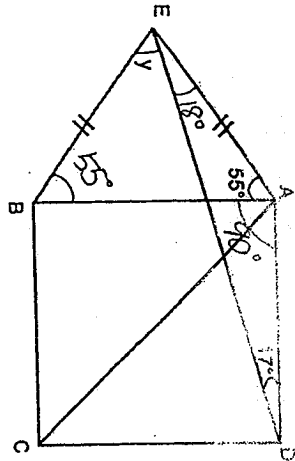
∠AED = 180° - 55° - 90° - 17°
= 18°

∠y = 180° - 55° - 55° - 18°
= 52°

Ans: _52_ °

W, X, Y and Z are the mid-points of the sides of a square ABCD. The area of the square is 64 cm², what is the area of the shaded triangle?
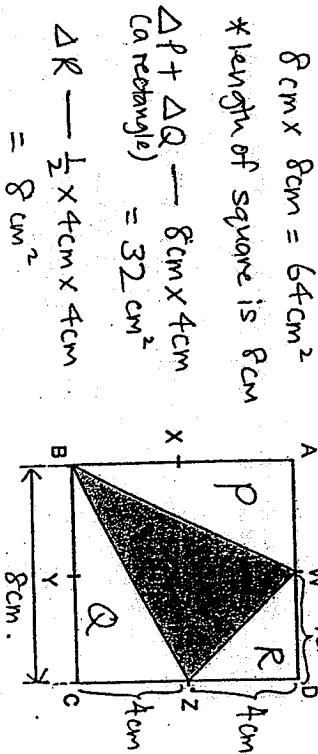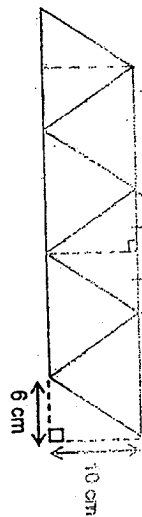

8 cm x 8 cm = 64 cm²
*length of square is 8 cm

△P + △Q — 8cm x 4cm
(a rectangle) = 32 cm²

△R — ½ x 4cm x 4cm
= 8 cm²

Shaded area — 64 cm² - 32 cm² - 8 cm² = 24 cm²

Ans: _24_ cm²

---

29. The figure below is made up of 3 similar triangles. Find the total area of the figure.

½ x 12cm x 10cm = 60 cm²
60 cm² x 6 = 360 cm²

Ans: _360_ cm²

OR

12cm x 3 = 36 cm
36 cm x 10 cm = 360 cm² (Area of rectangle)

Ans: _360_ cm²

30. Sarah folded a rectangular piece of paper, coloured on one side, to form Triangle ABC and Triangle ADE. Find ∠x.

Figure A
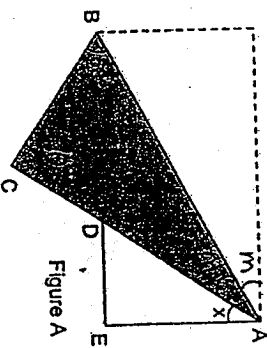
∠m = 180° - 90° - 58°
= 32°

∠x = 90° - 32° - 32°
= 26°

Ans: _26_ °

PAPER 2

Q1)	
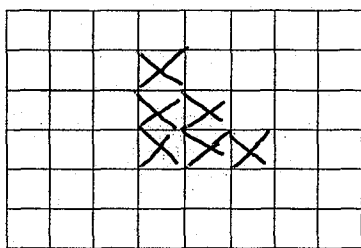
Q2)

8km = 8000m

400m→25 cents

8000m→8000 ÷ 400 = 20

20 x 25 = 500

500 cents = $5

$5 + $3.50 = $8.50

Q3)

1st card	2nd card	3rd card
12	4	6

24 = 1 x 24	48 = 1 x 48	72 = 1 x 72
2 x 12	2 x 24	2 x 36
3 x 8	3 x 16	3 x 24
4 x 6	4 x 12	4 x 18
	6 x 8	6 x 12
		8 x 9

12 x 4 x 6 = 288

Q4)

74 x 5 = 370

82 + 96 + 60 + 70 = 308

370 – 308 = 62

Q5)

False

Not

Q6)

2/7 (cookies)

1 – 2/7 = 5/7 (Puffs)

¼ x 2/7 = 1/14 (cookies left)

5/6 x 5/7 = 25/42 (puffs left)

3/24 + 25/42 = 28/42

28/42→64

	14/42→64 ÷ 2 = 32 42/42→32 x 3 = 96
Q7)	∠ EAB = 60° − 34° = 26° ∠ FBA = 60° − 28° = 32° 32° + 26° = 58° ∠ AFB = 180° − 58° = 122°

Q8)	a)200 + 52 = 252
	b)4u = 252
	  1u = 252 ÷ 4 = 63
	  5u = 63 x 5 = 315

Q9)	5.7 kg = 5700g 6kg = 6000g 6000g + 5700g + 340g = 1240g 1240g ÷ 2 = 6020g 6020g = 6.02kg
Q10)	Area of ½ the rectangle →78cm2 x 2 = 192 cm2 Area of rectangle→96cm2 x 2 = 192 Breadth of rectangle→192cm2 ÷ 6 = 12cm Area of △ ABC → ½ x 16cm x 12cm = 96cm2 Area of △ ADY→ ½ x 16cm x 4cm = 53cm2 Area of shaded △ ACY→192cm2 − 96cm2 − 32cm2 − 18cm2 = 46cm2

Q11)	a)35 x 20 x 40 = 28000
	  28000 ÷ 5 = 5600
	  5600 x 2 = 11200 ml
	b)11200 ÷ 400 = 28 such cups

Q12)	a)240 ÷ 3 = 80
	b)80 ÷ 3 = 26 2/3
	  26 x 1 = 26
	  80 + 26 = 106
	  106 x 12 = 1272
	  1272 ÷ 9 = 141 1/3
	  141 + 1 = 142

Q13)	46 − 22 = 24 24 + 24 = 48 28 − 22 = 6 48 ÷ 6 = 8

Q14)	a)60 x 4 − 240
	  60 ÷ 5 = 12
	  12 x 2 = 24
	  240 − 24 = 216
	b)216 x 0.50 = 108

	108 − 96 = 12 12 ÷ 0.40 = 30 216 − 30 = 186
Q15)	a)18.90 + 0.36 x 3 = 19.98 9.18 x 2 = 18.36 19.98 + 18.36 = $38.34 b)38 .34 ÷ 100 = 0.3834 0.3834 x 107 ≈ $41
Q16)	a)238 min − 100 min = 138 min $0.15 x 138 = $20.70 b)$25.50 ÷ $8.50 = 3 1GB + 3 GB = 4GB
Q17)	a)32 + 20 = 52 52 + 20 = 72 b)52 x 2 = 104 104 + 36 = 140 140 ÷ 2 = 70 70 x 5 = 350 52 + 20 = 72 350 ÷ 7 = 50