CATHOLIC HIGH SCHOOL

SEMESTRAL ASSESSMENT TWO (2017)

PRIMARY FIVE

MATHEMATICS

PAPER 1

(BOOKLET A)

Name : _____( )

Class : Primary 5 _____

Date : 30 October 2017

Total Time for Booklets A and B: 1 hour

15 questions

20 marks

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

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

The use of calculators is **NOT** allowed.

Booklet A and B consist of 11 printed pages excluding the cover page.

www.testpapersfree.com

Downloaded from SingaKids.com

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 are not drawn to scale.

(20 marks)

---

1. 325 709 = 300 000 + _____ + 5000 + 700 + 9. What is the missing number?

   (1) 20
   (2) 200
   (3) 2000
   (4) 20 000

---

2. What is six hundred and forty thousand and seventy-eight in numerals?

   (1) 604 078
   (2) 604 780
   (3) 640 078
   (4) 640 780

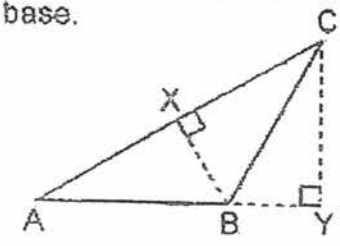
---

3. Express 9 kg 5 g in g.

   (1) 905 g
   (2) 950 g
   (3) 9 005 g
   (4) 9 050 g

---

4. In the figure below, ABC is a triangle. Identify the height of triangle ABC when AC is the base.



   (1) BX
   (2) BY
   (3) CX
   (4) CY

---

www.testpapersfree.com
Downloaded from SingaKids.com

5. 5 : 6 = 60 : _____ . Find the missing number in the blank.

(1) 12

(2) 50

(3) 61

(4) 72

---

6. Express $2\frac{3}{5}$ as a decimal.

(1) 2.3

(2) 2.35

(3) 2.53

(4) 2.6

---

7. Find the value of 12 ÷ 600.

(1) 0.02

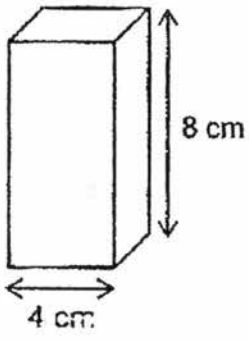
(2) 0.2

(3) 0.5

(4) 50

---

8. A cuboid of height 8 cm has a square base of edge 4 cm. What is its volume?



(1) 32 cm^3

(2) 64 cm^3

(3) 128 cm^3

(4) 256 cm^3

---

www.testpapersfree.com

Downloaded from SingaKids.com

9. Express 0.7% as a decimal.

(1) 0.007
(2) 0.07
(3) 7
(4) 70

---

10. Some mango syrup and water are mixed in the ratio of 4 : 9. The volume of water used in the mixture is 72 ml. What is the total volume of the mixture?

(1) 8 ml
(2) 13 ml
(3) 32 ml
(4) 104 ml

---

11. Which of the following fractions is closest to 1?

(1) $\frac{3}{4}$
(2) $\frac{7}{8}$
(3) $\frac{5}{6}$
(4) $\frac{4}{3}$

---

12. A container was 35% filled with water. The capacity of the container was 40 ℓ. How much water was needed to fill the container completely?

(1) 14 ℓ
(2) 26 ℓ
(3) 30 ℓ
(4) 65 ℓ

---

www.testpapersfree.com
Downloaded from SingaKids.com

13. The table shows the charges for bicycle rental.

Bicycle for rental	
For the first hour	\$8
For every additional $\frac{1}{2}$ hour or part thereof	\$2

Peter rented a bicycle from 8.30 a.m. to 11.15 a.m. on the same day. How much did he pay for the rental?

(1) \$10

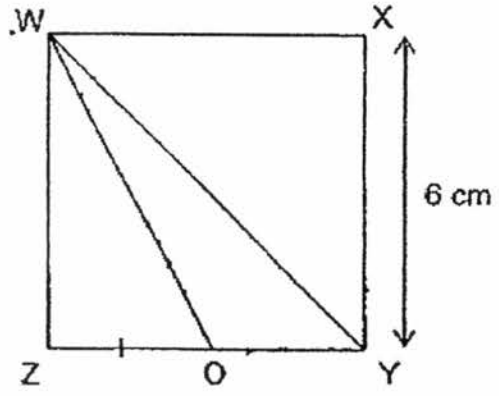
(2) \$12

(3) **\$14**

(4) **\$16**

---

14. WXYZ is a square of side 6 cm. OY = OZ. Find the area of triangle WYO.



(1) 9 cm^2

(2) 18 cm^2

(3) 24 cm^2

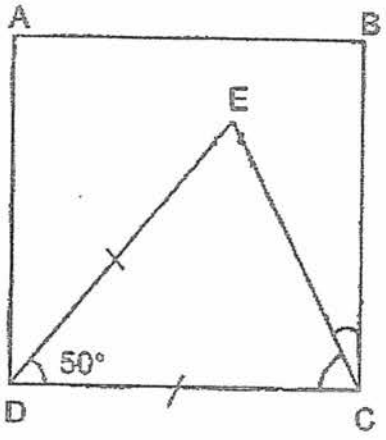
(4) 36 cm^2

---

www.testpapersfree.com

Downloaded from SingaKids.com

15. In the figure below, ABCD is a square. DE = DC and ∠EDC = 50°. Find ∠ECB.



(1) 15°

(2) 25°

(3) 40°

(4) 65°

END OF BOOKLET A

www.testpapersfree.com

Downloaded from SingaKids.com

CATHOLIC HIGH SCHOOL

SEMESTRAL ASSESSMENT TWO (2017)

PRIMARY FIVE

MATHEMATICS

PAPER 1

(BOOKLET B)

Name : _____( )

Class : Primary 5 _____

Date : 30 October 2017

Total Time for Booklets A and B: 1 hour

15 questions

25 marks

Booklet A	
Booklet B	
Total	

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

Booklet A and B consist of 11 printed pages excluding the cover page.

www.testpapersfree.com

Downloaded from SingaKids.com

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 are not drawn to scale. (5 marks)

Do not write in this space

16. Find the value of $\frac{3}{8} - \frac{1}{12}$

Ans:_____

17. Find the value of 5.04×80

Ans:_____

18. Find the value of $72 - (9 \times 6) \div 10$

Ans:_____

www.testpapersfree.com

Downloaded from SingaKids.com

19. Express $5\frac{1}{2}$ as a percentage.

Do not write in this space

Ans:_____ %

20. Express 36 : 48 : 27 in its simplest form.

Ans:_____

Total marks for questions 16 to 20

5

www.testpapersfree.com

Downloaded from SingaKids.com

Questions 21 to 30 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. All diagrams are not drawn to scale. (20 marks)

Do not write in this space

21. A rope is 6 m long. It is cut into 4 shorter pieces of equal length. Find the length of each such shorter piece of rope. Give your answer as a fraction in the simplest form.

Ans: _____ m

22. Samuel is 8 years old and his mother is 36 years old now. In how many years' time will Samuel's mother be four times his age?

Ans: _____ years

23. Ahmad took 32 min to complete a race. David was 12 min faster than Ahmad. How long did David take to complete the race?

Ans: _____ min

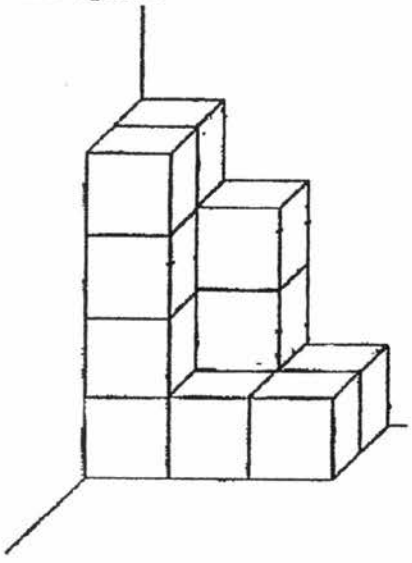
www.testpapersfree.com Downloaded from SingaKids.com

24. Mabel took 2 minutes to fold 3 paper stars. How many minutes did she take to fold 45 paper stars?

Do not write in this space

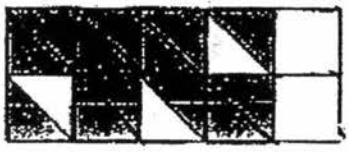
Ans: _____ min

25. The following solid figure is made up of 1-cm cubes. How many cubes are there in the figure?



Ans: _____

26. The following figure is made up of identical squares. What percentage of the whole figure is shaded?



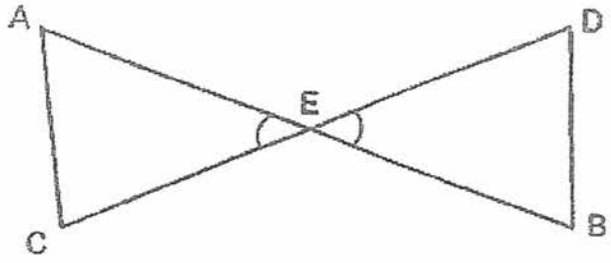
Ans: _____%

www.testpapersfree.com

Downloaded from SingaKids.com

Do not write in this space

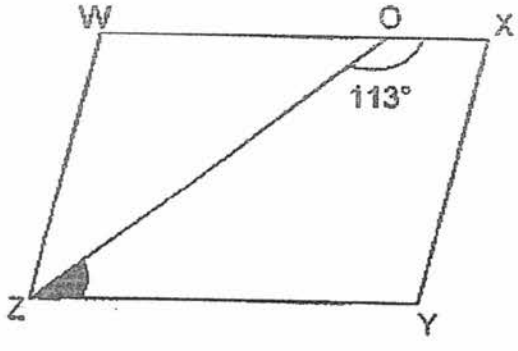
27. In the figure below, AB and CD are straight lines. The two straight lines meet at point E.



Each statement below is either true or false based on the above figure. For each statement, put a tick (√) in the correct column.

Statement	True	False
(a) ∠AEC = ∠BED		
(b) The sum of all the angles in triangle AEC and EDB is 360°.		

28. In the figure below, WXYZ is a parallelogram. OZ is a straight line. Given that ∠ZOX = 113°, find the value of ∠OZY.



Ans: _____ °

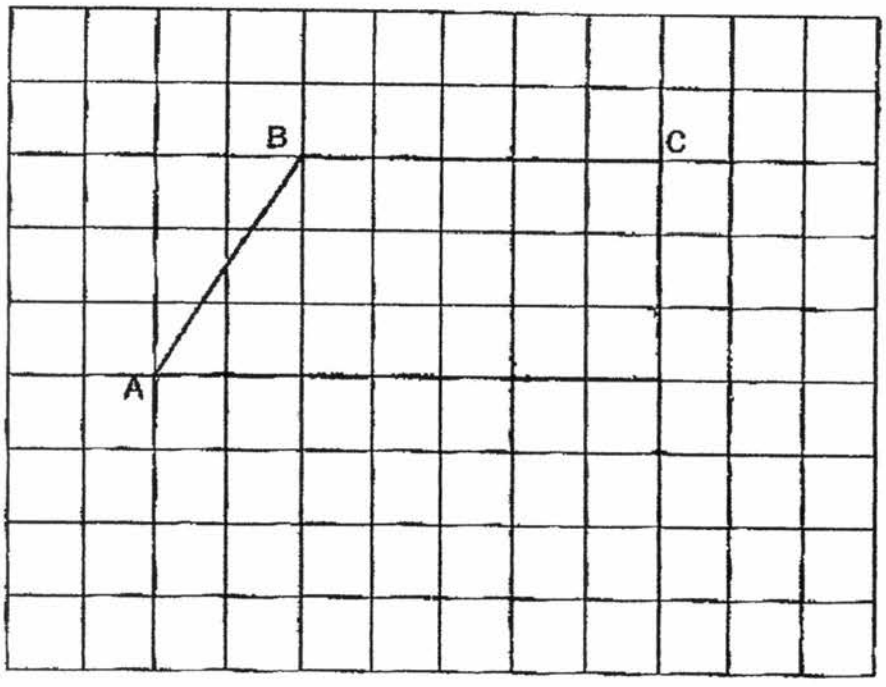
www.testpapersfree.com
Downloaded from SingaKids.com

29. Jack and Rachel shared a sum of $90. Rachel had $26. Find the ratio of the amount of money Jack had to the amount of money Rachel had. Give your answer in the simplest form.

Do not write in this space

Ans: _____

30. In the square grid, AB and BC form two sides of a trapezium ABCD.
(a) Measure and write down the size of ∠ABC.
(b) Complete the drawing of trapezium ABCD, given that ∠ADC is 90°



Ans: (a) _____

Total marks for questions 21 to 30

END OF BOOKLET B
- END OF PAPER 1-

20

www.testpapersfree.com
Downloaded from SingaKids.com

CATHOLIC HIGH SCHOOL

SEMESTRAL ASSESSMENT TWO (2017)

PRIMARY FIVE

MATHEMATICS

PAPER 2

Name : _____( )

Class : Primary 5 _____

Date : 30 October 2017

Total Time: 1 h 30 min

17 questions

55 marks

Parent's Signature: _____

Paper 1 Booklet A	/20
Paper 1 Booklet B	/25
Paper 2	/55
Total Marks	/100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

This booklet consists of 13 printed pages excluding the cover page.

www.testpapersfree.com

Downloaded from SingaKids.com

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

(10 marks)

Do not write in this space

1. One round of a jogging trail measured 800 m. During a race of 12 rounds, Gary stopped to drink water after completing 9 rounds. How far was he from the finish line? Give your answer in kilometres.

Ans: _____ km

2. Mrs. Chong used $2\frac{1}{2}$ kg of flour to bake chocolate cookies. She used $1\frac{2}{3}$ kg more flour to bake raisin cookies than chocolate cookies. How many kilograms of flour did she use altogether?

Ans: _____ kg

(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

3. 100 g of minced meat cost \$0.40. Joseph bought $3\frac{1}{4}$ kg of minced meat. How much did he pay for the minced meat?

Do not write in this space

Ans: \$_____

4. Helen took a \$13 500 loan from the bank. She paid 2.5% interest to the bank in the first year. How much interest did Helen pay in the first year?

Ans: \$_____

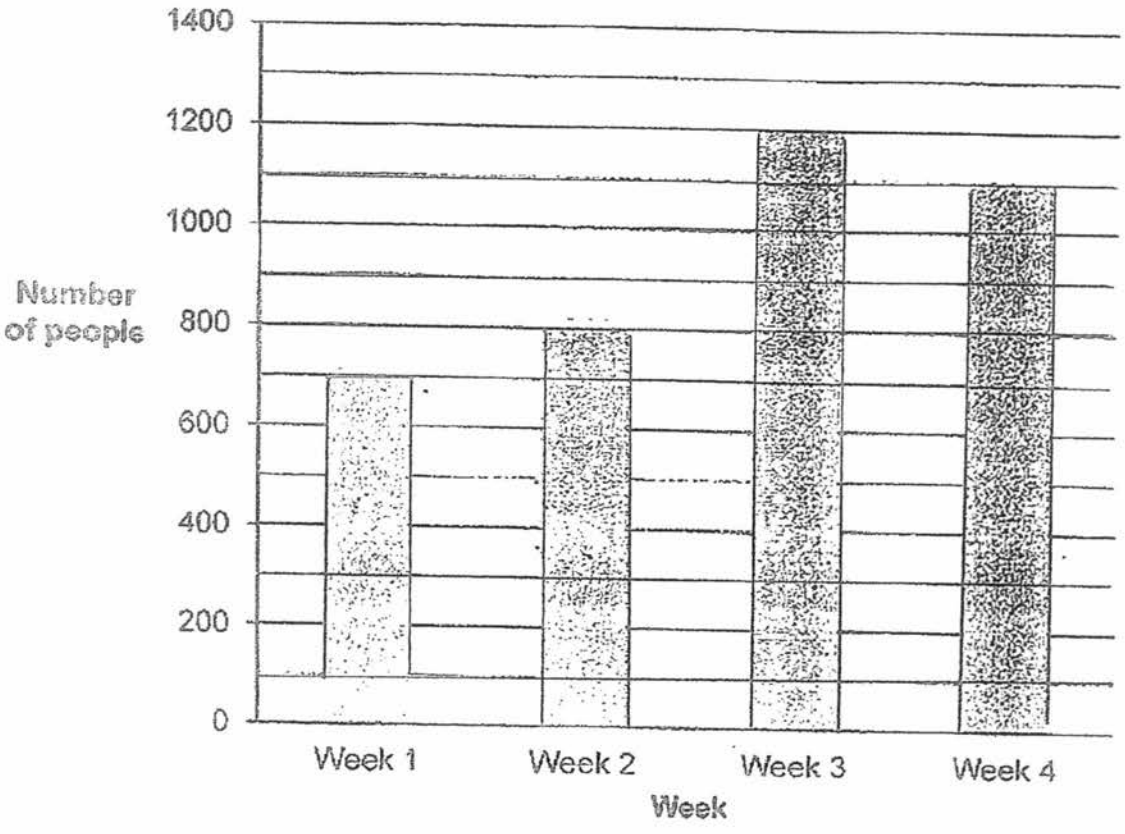
(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

5. The bar graph shows the number of people who visited the art museum over four weeks. What was the average number of people who visited the art museum over the four weeks?

Do not write in this space



Ans: _____

(Go on to the next page)

www.testpapersfree.com
Downloaded from SingaKids.com

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.

(45 marks)

Do not write in this space

6. 2 adults and 20 children bought tickets to watch an opera show. Each adult ticket cost $8 more than each child ticket. They paid a total of $568. What was the cost of 1 child ticket?

Ans: _____ [3]

7. Audrey has some $2 and $10 notes in the ratio of 6 : 1. She has a total of $242. How many $2 notes does she have?

Ans: _____ [3]

(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

8. A cubical tank of edge 12 cm was $\frac{5}{6}$-filled with water. 1 ℓ of water was removed from the tank. How much water was left in the tank? Give your answer in litres.

Do not write in this space

Ans: _____ [3]

9. The average mass of 3 boys is 45.1 kg. A girl with a mass of 51.1 kg joins them. Find the average mass of the 4 children.

Ans: _____ [3]

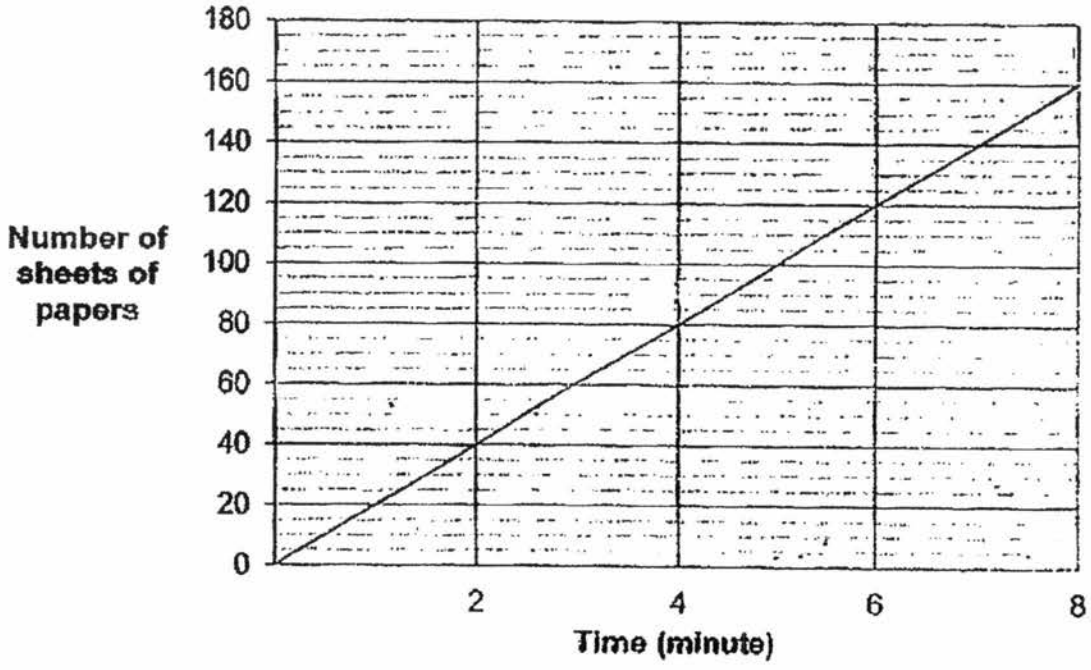
(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

10. The line graph below shows the number of sheets of paper a printer can print over 8 minutes.

Do not write in this space



(a) How many sheets of paper can the printer print in 8 minutes?

(b) At this rate, how much time would the printer take to print 480 sheets of paper?

Ans: (a)_____ [1]

(b)_____ [2]

(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

11 The ratio of the number of red marbles to green marbles in a box is 12 : 5. There are 343 more red marbles than green marbles.

Do not write in this space

(a) What fraction of the total number of marbles in the box is red?

(b) How many marbles are there in the box altogether?

Ans: (a)_____ [1]

(b)_____ [3]

(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

12. Alan had 160 balloons. Bernard had twice as many balloons as Alan. Bernard gave away some balloons. Alan then bought thrice as many balloons as the number of balloons Bernard gave away. In the end, they had the same number of balloons left.

Do not write in this space

(a) How many balloons did Alan buy?

(b) What percentage of Bernard's balloons was given away?

Ans: (a)_____ [3]

(b)_____ [1]

(Go on to the next page)

www.testpapersfree.com Downloaded from SingaKids.com

13. Fiona bought some stickers. She gave $\frac{1}{4}$ of the stickers to her brother and $\frac{3}{7}$ of the remaining stickers to her sister. After her mother gave her 560 stickers, she then had the same number of stickers that she bought at first. How many stickers did Fiona buy?

Do not write in this space

Ans: _____ [4]

www.testpapersfree.com

Downloaded from SingaKids.com

14. The total mass of 4 cartons of coke and 2 cartons of milo was 52.9 kg. The total mass of 8 cartons of coke and 5 cartons of milo was 113.05 kg. Find the mass of 12 cartons of coke.

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

www.testpapersfree.com

Downloaded from SingaKids.com

15. Siti wanted to buy 30 markers but she was short of $14. If she buys 22 markers she would have $18 left. How much money did Siti have?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

www.testpapersfree.com Downloaded from SingaKids.com

Do not write in this space

16. At a sale, a shop sold bars of chocolate as shown in the flyer.



SALE

Buy 1 bar of chocolate at 10% discount
Or
Buy 2 or more bars at 25% discount

(a) Jojo bought a bar of chocolate at the sale. How much did she pay?

(b) Kevin has $25. What is the maximum number of bars of chocolate he can buy with $25?

Ans: (a)_____ [2]

(b)_____ [3]

(Go on to the next page)

www.testpapersfree.com Downloaded from SingaKids.com

17. Joshua spent $\frac{1}{8}$ of his monthly salary and an additional $50 on food. He spent $\frac{2}{5}$ of the remainder and an additional $70 on household expenses. He was left with $2630. How much was Joshua's monthly salary?

Do not write in this space

Ans: _____ [5]

-END OF PAPER 2-
CHECK YOUR WORK

www.testpapersfree.com Downloaded from SingaKids.com

YEAR : 2017
LEVEL : PRIMARY 5
SCHOOL : CATHOLIC HIGH SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1 (Booklet A)

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

Paper 1 (Booklet B)

Q16 $\frac{9}{24} - \frac{2}{24} = \frac{7}{24}$

ANS: $\frac{7}{24}$

Q17 $5.04 \times 80 = \underline{403.2}$

Q18 $72 - (9 \times 6) + 10 = 72 - 54 + 10$

$= 18 + 10$

$= \underline{28}$

Q19 $5\frac{1}{2} = \underline{550\%}$

Q20 $36 : 48 : 27 = \underline{12 : 16 : 9}$

Q21 $6m \div 4 = 1.5m$

$1.5m = 1\frac{1}{2}m$

ANS: $1\frac{1}{2}m$

Q22 $35 - 8 = 27$

$27 \div 3 = 9$

$9 - 8 = \underline{1}$

Downloaded from SingaKids.com

Q23 $32 - 12 = \underline{20}$

Q24 $45 \div 3 = 15$

$15 \times 2 = \underline{30}$

Q25 $2 + 3 + 3 + 6 = \underline{14}$

Q26 $\frac{13}{20} = \frac{65}{100} = \underline{65\%}$

Q27 a)True

b)True

Q28 $180° - 113° = \underline{67°}$

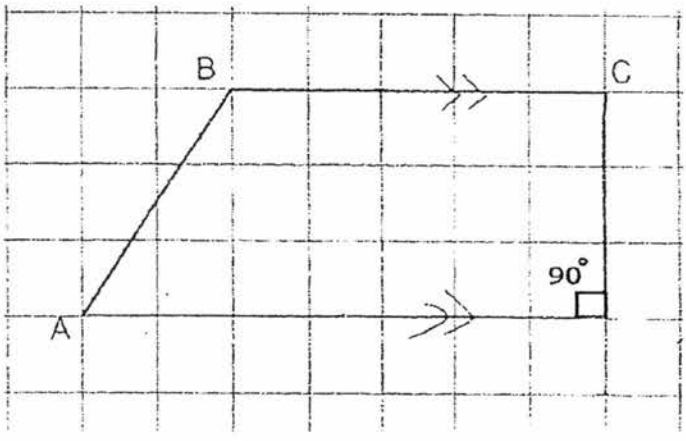
Q29 $90 - 26 = 64$

J : R

64 : 26

<u>32 : 13</u>

Q30 a)



b) 124°

www.testpapersfree.com

Downloaded from SingaKids.com

Paper 2

Q1 $800m \times 12 = 9600m$

$= 9.6km$

$800m \times 9 = 7200m$

$= 7.2km$

$9.6km - 7.2km = \underline{2.4km}$

Q2 $2\frac{1}{2}kg \times 2 = 5kg$

$5kg \div 1\frac{2}{3}kg = 6\frac{2}{3}kg$

ANS: $6\frac{2}{3}kg$

Q3 $100g = \frac{1}{10}kg$

$3\frac{1}{4}kg \div \frac{1}{10}kg = \frac{65}{2}$

$\frac{65}{2} \times \$0.40 = \underline{\$13}$

Q4 $\$13500 \times 2.5\% = \underline{\$337.50}$

Q5 $700 + 800 + 1200 + 1100 = 3800$

$3800 \div 4 = \underline{950}$

Q6 $\$566 - (\$8 \div \$8) = \$550$

$\$550 \div \$22 = \$25$

Q7 $\$2 \times 6 + \$10 = \$22$

$\$242 \div \$22 = 11$

$11 \times 6 = \underline{66}$

Q8 $12cm \times 12cm \times 12cm \times \frac{5}{6} = 1440cm3$

$= 1.44l$

$1.44l - 1.0l = \underline{0.44l}$

www.testpapersfree.com

Downloaded from SingaKids.com

Q9 45.1kg × 3 = 135.3kg

135.3kg + 51.1kg = 186.4kg

186.4kg ÷ 4 = <u>46.6kg</u>

Q10 a) <u>160</u>

480 ÷ 40 = 12

12 × 2 = <u>24(b)</u>

Q11 a) $\frac{12}{17}$

343 ÷ 7 = 49

49 × 17 = <u>833(b)</u>

Q12 160 ÷ 4 = 40

40 × 3 = <u>120(a)</u>

$\frac{1}{8}$ = <u>12.5%</u>(b)

Q13 560 ÷ 16 = 35

35 × 28 = <u>980</u>

Q14 4c + 2m = 52.9 kg

8c + 5m = 113.05kg

20c + 10m = 264.5kg

16c + 10m = 226.1kg

264.5kg – 226.1kg = 38.4kg

38.4kg ÷ 4 = 9.6kg

9.6kg × 12 = <u>115.2kg</u>

www.testpapersfree.com Downloaded from SingaKids.com

Q15 $18 + $14 = $32

30 – 22 = 8

$32 ÷ 8 = $4

$4 × 30 - $14 = $106

Q16 a) $6 × 90% = $5.40

b) Before discount 2 bars - - - $12

After discount 2 bars - - - $ 9

Number of sets can Jojo buy - - - $25 ÷ $9 =2 sets Remainder $9

2 sets - - - 4 chocolates

$9 can buy 1 chocolate

Therefore, he can buy total of 5 chocolates bar.

Q17 2630 + 70 = 2700

2700 ÷ 3 × 5 = 4500

4500 ÷ 7 × 8 = 5200

www.testpapersfree.com Downloaded from SingaKids.com