Name :_____( )

Class : Primary 5_____

# CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

## Primary 5 Mathematics

2017 Semestral Assessment One

Paper 1

Booklet A

5 May 2017

15 QUESTIONS
20 MARKS

TOTAL TIME FOR BOOKLETS A AND B: 1 hour

**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.

*This booklet consists of 8 printed pages including 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 correct oval (1, 2, 3, 4) in the Optical Answer Sheet (OAS). (20 marks)

---

1. Four million, three hundred and eight thousand and twenty-eight in numerals is _____.

   (1) 4 008 328

   (2) 4 080 328

   (3) 4 308 028

   (4) 4 380 028

2. 6800 x 30 is the same as _____.

   (1) 68 x 300

   (2) 68 x 3000

   (3) 680 x 30

   (4) 680 x 3000

3. What must be added to 174 000 to get one million?

   (1) 826

   (2) 8260

   (3) 82 600

   (4) 826 000



www.testpapersfree.com Downloaded from SingaKids.com

4. Jack cycled 14 km while Henry cycled 2 km more than Jack. Find the ratio of the distance Henry cycled to the total distance the 2 boys cycled.

(1) 7 : 8

(2) 7 : 15

(3) 8 : 7

(4) 8 : 15

5. $4\frac{2}{9} =$ _____ ninths

What is the missing number?

(1) 38

(2) 36

(3) 34

(4) 22

6. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \boxed{?} \times \frac{1}{2}$

What is the missing number?

(1) 1

(2) 2

(3) 3

(4) 6



www.testpapersfree.com Downloaded from SingaKids.com

7. Find the value of $14 \div 8$. Give your answer as a mixed number in its simplest form.

(1) $1\frac{3}{7}$

(2) $1\frac{4}{7}$

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

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

8. Siew Hoon used $\frac{3}{4}$ kg of sugar. She had $\frac{1}{8}$ kg left. How much sugar did she have at first?

(1) $\frac{3}{32}$ kg

(2) $\frac{5}{8}$ kg

(3) $\frac{7}{8}$ kg

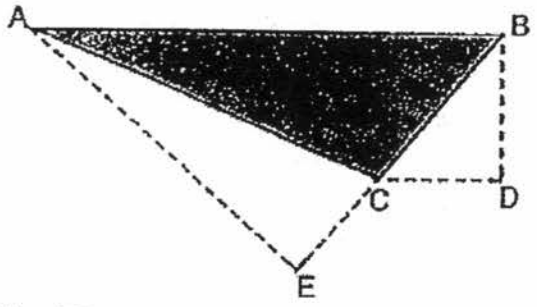
(4) $\frac{21}{32}$ kg



www.testpapersfree.com

Downloaded from SingaKids.com

9. In triangle ABC, AE is the height and the base is _____.




(1) AB

(2) BC

(3) BE

(4) CE

10. $3 : \boxed{A} : 9 = \boxed{B} : 56 : 63$

What are the missing numbers, A and B?

| | A | B |
|---|---|---|
| (1) | 8 | 27 |
| (2) | 8 | 21 |
| (3) | 7 | 27 |
| (4) | 7 | 21 |



www.testpapersfree.com

Downloaded from SingaKids.com

11. The table below shows the price of mangoes at a supermarket.



| Buy 6 for $5 |
| --- |
| 1 for $1 |

Mrs Tambuah paid $38 for some mangoes. What was the greatest possible number of mangoes she bought?

(1) 45

(2) 43

(3) 42

(4) 38

12. Sally needs $\frac{3}{4}$ cup of milk to bake a cake. How many cups of milk will she need to bake 12 such cakes?

(1) 1

(2) 9

(3) $\frac{1}{16}$

(4) $\frac{1}{12}$



www.testpapersfree.com Downloaded from SingaKids.com

13. In a class, the ratio of the number of swimmers to the number of non-swimmers is 5 : 3. There are 22 more swimmers than non-swimmers. How many pupils are there in the class?

(1) 11

(2) 33

(3) 55

(4) 88

14. Jin Hao had some coins in his wallet. The coins were either 50-cent coins or 20-cent coins. There were twice as many 50-cent coins as 20-cent coins in the wallet. The total value of all his coins was $12. How many 50-cent coins were there in his wallet?

(1) 10

(2) 16

(3) 20

(4) 40



www.testpapersfree.com Downloaded from SingaKids.com

15. Sarah and Jonah shared the cost of a present for their mother. Sarah paid \$9 less than $\frac{3}{5}$ of the cost of the present. Jonah paid \$1 more than Sarah. How much did the present cost2

(1) \$17

(2) \$40

(3) \$50

(4) \$85

**END OF BOOKLET A**



www.testpapersfree.com Downloaded from SingaKids.com

Name : _____ (  )

Class : Primary 5_____

# CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



**Primary 5 Mathematics**

**2017 Semestral Assessment One**

**Paper 1**

**Booklet B**

**5 May 2017**

| | |
|---|---|
| Booklet A | 20 |
| Booklet B | 25 |
| Total (Paper 1) | 45 |

**TOTAL TIME FOR BOOKLETS A AND B: 1 hour**

**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.

***This booklet consists of 8 printed pages including the cover page.***

www.testpapersfree.com

Downloaded from SingaKids.com

Questions **16** to 20 carry 1 mark 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. (5 marks)

Do not write in this space.

16. Find the value of $(100 - 25) \div 3 \times 5$.

Ans : _____

17. Find the quotient of $189\,000 \div 900$.

Ans : _____

18. Express $\frac{6}{7}$ as a decimal. Round your answer to one decimal place.

Ans : _____



www.testpapersfree.com

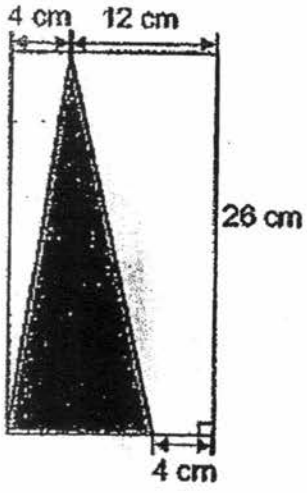
Downloaded from SingaKids.com

19. Some children were at a museum. $\frac{5}{12}$ of them were boys. There were 56 girls. How many children were there at the museum?

Do not write in this space.

Ans : _____

20. In the rectangle below, find the area of the shaded triangle.




Ans : _____ $cm^2$



www.testpapersfree.com
Downloaded from SingaKids.com

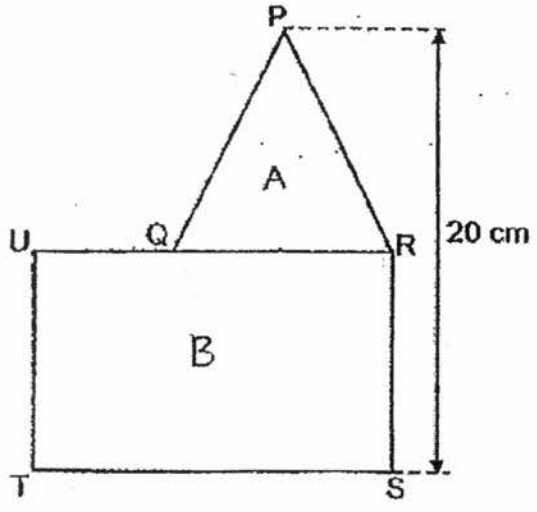
Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

Do not write in this space.

21. A box contains a total of 100 red, blue and green markers. There are 35 red markers. There are 10 more blue markers than red markers. What is the ratio of the number of green markers to the total number of markers? Give your answer in its simplest form.

Ans : _____

22. The figure is made up of triangle PQR and rectangle RSTU. UQ = 6 cm, QR = RS = 10 cm. Find the area of the figure.




Ans : _____ $cm^2$



www.testpapersfree.com
Downloaded from SingaKids.com

23. Mr Fernando took part in a fitness test consisting of Stations A, B and C. He spent $\frac{1}{3}$ of his time at Station A, $\frac{4}{9}$ of his time at Station B and the rest of his time at Station C. He spent 16 min at Station C. How long did he take to complete the fitness test?

Do not write in this space.

Ans : _____ min

24. Bobby paid a total of $179 for 3 durian cakes and 2 cheese cakes. Each cheese cake cost $13 less than a durian cake. How much did a cheese cake cost?

Ans : $ _____



www.testpapersfree.com

Downloaded from SingaKids.com

25. Using all the digits below, what is the 4-digit number that will give the smallest possible answer, when subtracted from 5000?

Do not write in this space.

| 7 | 0 | 6 | 3 |
|---|---|---|---|

Ans : _____

26. Jolly used $\frac{3}{7}$ of her money to buy a book and $\frac{7}{8}$ of her remaining money to buy an electronic dictionary. What fraction of her money did she spend on the electronic dictionary? Give your answer in its simplest form.

Ans : _____



www.testpapersfree.com

Downloaded from SingaKids.com

27. Aloysius, Ben and Carl had some marbles. Ben and Carl had a total of 360 marbles. Aloysius and Carl had a total of 450 marbles. Ben had half of the number of marbles Aloysius had. How many marbles did Carl have?

Do not write in this space.

Ans :_____

28. Naomi is 26 years old. She is 18 years older than her brother. How many years ago was Naomi 4 times as old as her brother?

Ans :_____



www.testpapersfree.com Downloaded from SingaKids.com

29. In January, there were 14 more members in Art Club than in Science Club. In March, 20 Art Club members left to join Science Club. There are three times as many members in Science Club as in Art Club now. How many members were there in Art Club in January?

Do not write in this space.

Ans : _____

30. Figure 1 shows a rectangular piece of paper. It is folded at the corner as shown in Figure 2. The ratio of the shaded area to the unshaded area in Figure 2 is 9 : 1. Find the area of the rectangular piece of paper.

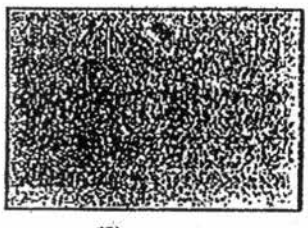


Figure 1

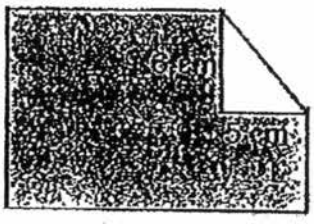



Figure 2

Ans : _____ $cm^2$

** End of Booklet B **



www.testpapersfree.com

Downloaded from SingaKids.com

Name : _____ (  )

Class : Primary 5 _____

# CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

## Primary 5 Mathematics

2017 Semestral Assessment One

Paper 2

5 May 2017

| | |
|---|---|
| Paper 1 | 45 |
| Paper 2 | 55 |
| Total | 100 |

_____

Parent's /Guardian's Signature

**TOTAL TIME FOR PAPER 2 : 1 hour 30 minutes**

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 16 printed pages including the cover page.***

www.testpapersfree.com

Downloaded from SingaKids.com

Questions 1 to 5 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. (10 marks)

Do not write in this space.

1. Hafizah sold 64 cartons of canned fruit. Each carton contained 13 tins of canned fruit. She sold each tin for $3. How much did she collect altogether?

Ans : $_____

2. Josephine had 6 kg of meat. She used $\frac{7}{8}$ of it to make chicken pies. How many kilograms of meat did she have left?

Ans : _____ kg

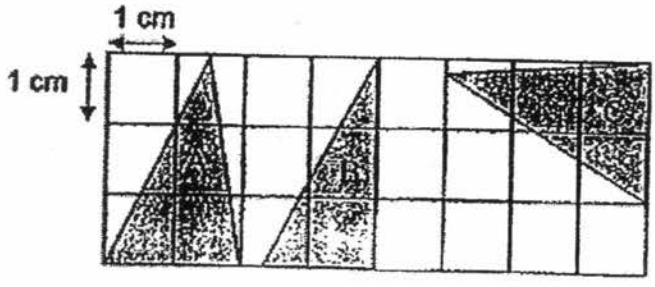


www.testpapersfree.com

Downloaded from SingaKids.com

3. The square grid below is made up of 1-cm squares. Which 2 triangles have the same area?

Do not write in this space.




Ans : Triangles _____ and _____

4. Siva brought $4\ell$ of water on a hiking trip. He drank $\frac{2}{5}\ell$ of the water at the start of the hike. In the next 3 hours, he drank $\frac{3}{4}\ell$ each hour. How much water did he have left? Leave your answer as a mixed number in its simplest form.

Ans : _____ $\ell$



www.testpapersfree.com Downloaded from SingaKids.com

5. There are some white, black and yellow balls in a box. The ratio of the number of white balls to the number of yellow balls is 3 : 7. The ratio of the total number of balls to the number of white balls is 19 : 3. What is the ratio of the number of white balls to the number of black balls to the number of yellow balls?

Do not write in this space.

Ans : _____



www.testpapersfree.com

Downloaded from SingaKids.com

For questions 6 to 17, 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. (45 marks)

Do not write in this space.

6. In a company, there were Chinese, Indonesian and Malaysian workers. The ratio of the number of Chinese workers to the number of Indonesian workers was 2 : 5. There were thrice as many Malaysian workers as Chinese workers. There were a total of 288 Chinese and Malaysian workers. How many workers were there altogether in the company?

Ans : _____ [3]



www.testpapersfree.com Downloaded from SingaKids.com

7. Joy earns $358 more than Linda each month. Every month Joy spends $150 more than Linda. The rest of their money was saved. After half a year, how much more money will Joy save than Linda?

Do not write in this space.

Ans: _____ [3]



www.testpapersfree.com

Downloaded from SingaKids.com

8. There were goats, chickens and ducks on a farm. $\frac{5}{6}$ of the animals were chickens and ducks. There were 432 goats and thrice as many chickens as ducks. How many fewer ducks than chickens were there on the farm?

Do not write in this space.

Ans : _____ [3]



www.testpapersfree.com

Downloaded from SingaKids.com

9. Mrs Thio gave Nellie a sum of money to buy some beef. If she used it to buy 5 kg of beef, she would have $41 left. If she used it to buy 8 kg of beef, she would be short of $28. How much money did Mrs Thio give Nellie?

Do not write in this space.

Ans : _____ [3]

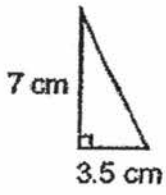


www.testpapersfree.com

Downloaded from SingaKids.com

10. Figure A is made up of a square and 8 identical triangles. Each triangle has a height of 7 cm and a base of 3.5 cm. Find the area of Figure A.

Do not write in this space.



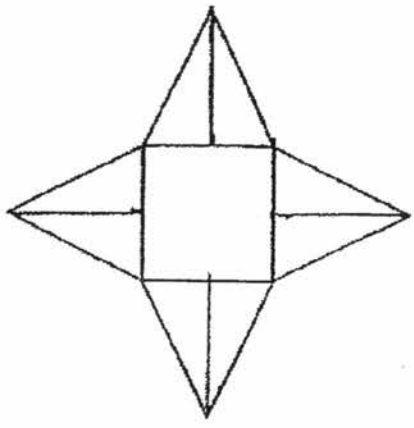



Figure A

Ans : _____ [3]



www.testpapersfree.com
Downloaded from SingaKids.com

11. Toby received a sum of $2310. He spent $\frac{1}{3}$ of it on a coffee maker and donated $\frac{1}{7}$ of it to charity. He gave half of the remaining sum of money to his mother and saved the rest. How much money did he save?

Do not write in this space.

Ans : _____ [3]



www.testpapersfree.com

Downloaded from SingaKids.com

12. On Monday, Jane read $\frac{2}{9}$ and another 6 pages of a book. On Tuesday, she read $\frac{3}{5}$ of the remaining book and another 16 pages of the book. She was left with the remaining 158 pages to read. How many pages were there in the book?

Do not write in this space.

Ans : _____ [4]



www.testpapersfree.com Downloaded from SingaKids.com

13. A wooden crate has a mass of 17 060 g when it is filled with 110 similar apples. When the same wooden crate is filled with 8 similar pineapples, it has a mass of 12 980g. The mass of a pineapple is 10 times the mass of an apple. Find the mass of the wooden crate when it is empty.

Do not write in this space.

Ans : _____ [4]



www.testpapersfree.com

Downloaded from SingaKids.com

14. Mrs Louis baked some strawberry and blueberry cookies for sale. $\frac{2}{7}$ of the strawberry cookies were equal to $\frac{3}{7}$ of the blueberry cookies. There were 98 more strawberry cookies than blueberry cookies.

Do not write in this space.

(a) How many cookies did Mrs Louis bake altogether?

(b) Mrs Louis sold 280 cookies to a bakery. The remaining cookies were packed equally into bags of 12. There were not enough cookies to be packed into the last bag. How many cookies were left unpacked?

Ans : (a) _____ [3]

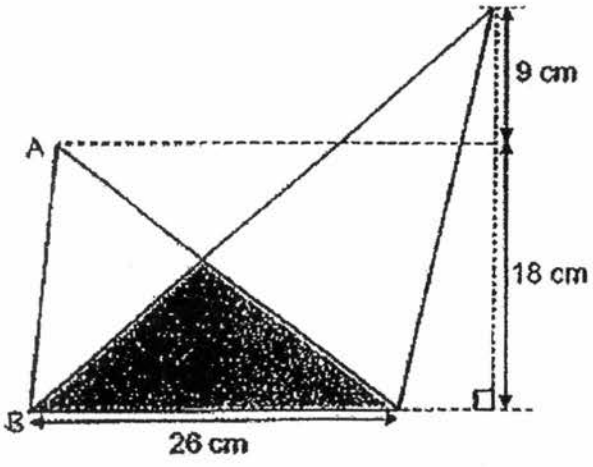
(b) _____ [2]



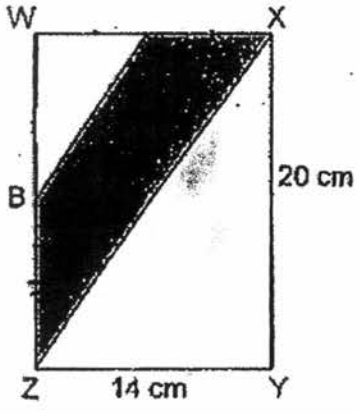
www.testpapersfree.com Downloaded from SingaKids.com

15(a) The figure below is made up of 2 triangles overlapping each other. The area of the shaded part is 125 cm². Find the area of the figure.

Do not write in this space.




(b) In the figure below, WXYZ is a rectangle. WA = AX and WB = BZ. Find the area of the shaded part.



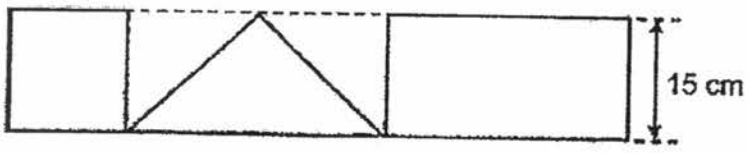

Ans : (a) _____ [3]

(b) _____ [2]



www.testpapersfree.com
Downloaded from SingaKids.com

16. A piece of wire, 222 cm long, was bent to form a square, a triangle and a rectangle as shown. The length of the rectangle was twice its breadth.




(a) Find the ratio of the perimeter of the triangle to the perimeter of the rectangle. Express your answer in its simplest form.

(b) The sides of the triangle are in the ratio 5 : 5 : 8. Find the length of the longest side.

Do not write in this space.

Ans : (a) _____ [3]

(b) _____ [2]



www.testpapersfree.com

Downloaded from SingaKids.com

17. The figures below are made up of identical triangles. The figures follow a pattern.

Do not write in this space.

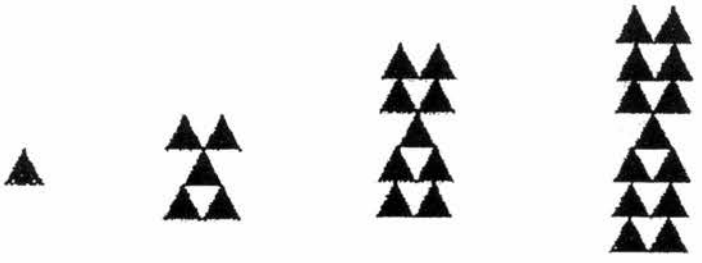


Figure 1 Figure 2 Figure 3 Figure 4

(a) How many triangles will there be in Figure 8?

(b) In which figure would there be 65 triangles?

Ans : (a) _____ [2]

(b) Figure _____ [2]

** END OF PAPER **



www.testpapersfree.com Downloaded from SingaKids.com

www.testpapersfree.com

EXAM PAPER 2017

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA1

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

16)75 ÷ 3 x 5 = 25 x 5 = **125**

17)189000 ÷ 900 = 1890 ÷ 9 = **210**

18)6/7 = 6 ÷ 7 ≈ **0.85**

**0.85 ≈ 0.9**

19)12/12 – 5/12 = 7/12

56 ÷ 7 = 8

8 x 12 = 96

20)12 + 4 = 16

16 – 4 = 12

½ x 12 x 26 = 6 x 26 = 156 cm2

www.testpapersfree.com

Downloaded from SingaKids.com

21)35 + 35 + 10 = 80

Green→100 – 80 = 20

Blue→35 + 10 = 45

20 : 100 ÷ 20 = 1 : 5

22)20 – 10 = 10

A→ ½ x 10 x 10 = 5 x 10 = 50

6 + 10 = 16

B→16 x 10 = 160

50 + 160 = 210 cm2

23)1/3 ÷ 2 = 3/9

9/9 – 3/9 – 4/9 = 2/9

16 ÷ 2 = 8

8 x 9 = 72 min

24)13 x 3 = 39

179 – 39 = 140

3 + 2 = 5

1cake cost→140 ÷ 5 = $28

25)5000 – 3760 = 1240

ANS: 3760

26)7/7 – 3/7 = 4/7

7/8 x 4/7 = ½

27)1u→450 – 360 = 90

360 – 90 = 270

www.testpapersfree.com

Downloaded from SingaKids.com

28)1u→18 ÷ 3 = 6

6 x 4 = 24

26 – 24 = 2

29)2u→20 + 6 = 26

1u→26 ÷ 2 = 13

Art→13 + 20 = 33

30) ½ x 6 x 5 = 3 x 5 = 15

1u→15

9 + 1 + 1 = 11

11u→15 x 11 = 165 cm2

## Paper 2

1)64 x 13 = 832

832 x 3 = $2496

2)8/8 – 7/8 = 1/8

6/1 x 1/8 = ¾ kg

3)A→ ½ x 2 x 3 = 1 x 3 = 3

C→ ½ x 2 x 3 – 1 x 3 = 3

4)2/5 x 4 = 8/20

¾ x 3/1 = 9/1

9/4 x 5 = 45/20

4 x 20 = 80

80/20 – 8/20 – 45/20 = 27/20

= 1 7/20

5)3 : 9 : 7

www.testpapersfree.com

Downloaded from SingaKids.com

6)2 x 3 = 6

M→6 units

6 + 2 = 8

8 units = 228

1 unit = 228 ÷ 8 = 36

2 + 5 + 6 = 13

13 units = 36 x 13 = 468

7)358 – 150 = 208

208 x 3 = 624

624 – 358 = 266

266 x 6 = 1596

266 – 208 = 58

58 x 6 = 348

1596 – 348 = $1248

8)1 unit = 432

5 units = 432 x 5 = 2160

2160 ÷ 4 = 540

540 x 2 = 1080

9)8 – 5 = 3

3 kg of beef →28 + 41 = 69

1 kg of beef→69 ÷ 3 = 23

5 x 23 = 115

115 + 41 = $156

www.testpapersfree.com

Downloaded from SingaKids.com

10)Area of 1 triangle→ ½ x 3.5 x 7 =12¼

Area of 5 triangle→12¼ x 5

3.5 x 2 = 7

½ x 7 x 7 = 24.5

24.5 x 4 = 98

7 x 7 = 49

98 + 49 = 147 cm2

11)spent and donated→1/3 + 1/7 = 10/21

1 – 10/21 = 11/21

11/21 x 2310 = 1210

1210 ÷ 2 = $605

12)2 units = 158 + 16 = 174

1 unit = 174 ÷ 2 = 87

5 units = 87 x 5 = 435

7 units = 435 + 6 = 441

1 unit = 441 ÷ 7 = 63

9 units = 63 x 9 = 567

13)110u – 80u = 30u→17060 – 12980 = 4080

1u→4080 ÷ 30 = 136

80 apples→136 x 80 = 10880

Mass of crate→12980 – 10880 = 2100g

www.testpapersfree.com

Downloaded from SingaKids.com

14)21u – 14u = 7u

7u→98

35u→98 x 5 = 490

490 – 280 = 210

210 ÷ 12 = 17R6

a)490

b)6

15)a)Area of △ABC→ ½ x 26 x 18 = 234

Area of △DBC→ ½ x 26 x 27 = 351

351 + 234 = 585

585 – 125 = 460cm

b)A→ ¼ x 14 x 20 = 7 x 20 = 140

14 ÷ 2 = 7

20 ÷ 2 = 10

B→ ½ x 10 x 7 = 5 x 7 =35

A and B→140 + 35 = 175

20 x 14 = 280

280 – 175 = 105 cm2

16)a)R→15 x 6 = 90

S→15 x 4 = 60

R and D→90 + 60 = 150

T→222 – 150 = 72

72 : 90

= 4 : 5

www.testpapersfree.com

Downloaded from SingaKids.com

16)b)5 + 5 + 8 = 18

72 ÷ 18 = 4

8 x 4 = 32 cm

17)a)8 x 4 = 32

32 – 3 = 29

b)65 + 3 = 68

68 ÷ 4 = 17

www.testpapersfree.com

Downloaded from SingaKids.com