

# ANSWER KEY

**YEAR** : 2016  
**LEVEL** : PRIMARY 4  
**SCHOOL** : RED SWASTIKA  
**SUBJECT** : MATHEMATICS  
**TERM** : SA1

## Booklet A

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

## Booklet B

**Q21** 80 011

**Q22** 2

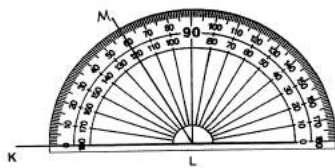
**Q23** 35

**Q24** 135 °

**Q25** 54 °

**Q26** 300 cm<sup>2</sup>

**Q27**



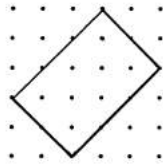
**Q28** 50 °

**Q29** 40 cm

**Q30** Point D is south-east of Point C.

**Q31** 3105

**Q32**



**Q33** Perimeter  $\rightarrow (10 + 22 + 20 + 6 + 10 + 16) \Rightarrow \underline{84 \text{ cm}}$

**Q34**  $320 + 40 \Rightarrow \underline{360 \text{ buns}}$

**Q35** Multiples of 6  $\rightarrow \overbrace{6, 12, 18, 24, 30, 36, 42, 48, 54}^{24 \ \& \ 48}$

Multiples of 8  $\rightarrow \overbrace{8, 16, 24, 32, 40, 48, 56}^{24 \ \& \ 48}$

$24 + 48 \Rightarrow \underline{72}$

**Q36**  $275 + 275 = 550$   
 $275 \times 4 = 1100$   
 $1100 + 550 \Rightarrow \underline{1650 \text{ books}}$

**Q37**  $\sqrt[2]{49} \Rightarrow \underline{7 \text{ cm}}$

**Q38**  $40 \times 20 = 800$   
 $36 \times 16 = 576$   
 $800 - 576 \Rightarrow \underline{224 \text{ m}^2}$

**Q39** 3549

**Q40**  $5 \times 5 = 25$   
 $25 \times 4 = 100$   
 $20 \times 20 = 400$   
 $400 - 100 \Rightarrow \underline{300 \text{ cm}^2}$

**Q41** 3.55 pm

**Q42**  $\$370 \div 5 = \$74$   
 $\$74 \times 3 \Rightarrow \underline{\$222}$

**Q43**       $1200 \text{ ml} \div 5 = 240 \text{ ml}$   
 $240 \times 4 = 960 \text{ ml}$   
 $960 \text{ ml} - 240 \text{ ml} \Rightarrow \underline{720 \text{ ml}}$

**Q44**

$$\begin{array}{r} \phantom{7, 14, 21, 28, 35, 42, 49, 56} \times 7 \\ \hline 7, 14, 21, 28, 35, 42, 49, 56 \\ \phantom{7, 14, 21, 28, 35, 42, 49, 56} \downarrow \\ \phantom{7, 14, 21, 28, 35, 42, 49, 56} + 5 \\ \hline 12, 17, 26, 33, 40, 49, 54, 61 \end{array}$$

$$\begin{array}{r} \phantom{8, 16, 24, 32, 40, 48, 56, 64} \times 8 \\ \hline 8, 16, 24, 32, 40, 48, 56, 64 \\ \phantom{8, 16, 24, 32, 40, 48, 56, 64} \downarrow \\ \phantom{8, 16, 24, 32, 40, 48, 56, 64} - 3 \\ \hline 5, 13, 21, 29, 37, 45, 53, 61 \end{array}$$

$61 - 5 \rightarrow 56$   
 $56 \div 7 \Rightarrow \underline{8 \text{ students}}$

**Q45**       $12 \times 2 = 24$   
 $12 \times 2 = 24$   
 $24 + 24 = 48$   
 $12 \times 32 = 384$   
 $384 - 48 \Rightarrow \underline{336 \text{ m}^2}$

**Q46**       $\$610 - \$226 = \$384$   
 $\$384 \div 3 = \$128$   
 $\$226 - \$128 \Rightarrow \underline{\$98}$

**Q47**      (a)     $21 + 9 = 30 \text{ cm}$   
 $30 \times 21 \Rightarrow \underline{630 \text{ cm}^2}$

            (b)     $30 + 21 + 30 + 21 \Rightarrow \underline{102 \text{ cm}}$

**Q48**      Mango & pear  $\rightarrow \$3.40$   
 $\$3.40 + \$3.40 = \$6.80$   
 $\$13.20 - \$6.80 = \$6.40$   
Mango & apple  $\rightarrow \$3.80$   
 $\$6.40 - \$3.80 \Rightarrow \underline{\$2.60 \text{ per mango}}$

End

# ANSWER KEY

**YEAR** : **2016**  
**LEVEL** : **PRIMARY 4**  
**SCHOOL** : **ROSYTH**  
**SUBJECT** : **ENGLISH**  
**TERM** : **SA2**

## Booklet A & B

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	3	4	4	2	4	3	3	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	4	3	4	1	4	4	2	2	C
Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30
E	A	B	look	find	loves	like	E	B	A

Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38
needs	manage	attention	in	play	his	part	dream

**Q39** Tom did not want his shoes to be wet so he avoided the puddle of water.

**Q40** Neither Lisa nor her friends like swimming.

**Q41** (A)

**Q42**

	it has a large heart
	its legs are flexible
✓	it has a light body frame

**Q43 Its tail.**

	Words	Refers to
<i>Example</i>	<i>'They' (line 2)</i>	<i>cheetahs</i>
Q44	'them' (line 13)	cheetahs' preys
Q45	'These' (line 14)	cheetahs' other predators

	Statement	Cheetahs	Leopards
<i>Example</i>	<i>They have flat heads</i>	✓	
Q46	They can roar.		✓
Q47	They cannot climb trees.	✓	

	Statement	True	False
<i>Example</i>	<i>Cheetahs are the fastest animals on land.</i>	✓	
Q48	Cheetahs use a lot of energy when they run quickly.	✓	
Q49	Cheetahs hide in tall grasses as they are afraid of their prey.		✓
Q50	Cheetahs do not hunt at night as they are unable to see clearly in the dark.	✓	

End

# ANSWER KEY

**YEAR** : **2016**  
**LEVEL** : **PRIMARY 4**  
**SCHOOL** : **TEMASEK PRIMARY**  
**SUBJECT** : **SCIENCE**  
**TERM** : **SA1**

## Booklet A

Q1	1	Q5	2	Q9	2	Q13	1	Q17	1	Q21	3	Q25	3
Q2	2	Q6	1	Q10	2	Q14	2	Q18	4	Q22	1	Q26	4
Q3	4	Q7	1	Q11	2	Q15	3	Q19	1	Q23	3	Q27	1
Q4	3	Q8	3	Q12	2	Q16	4	Q20	3	Q24	3	Q28	2

## Booklet B

**Q29** (a) There is air inside the flask.

(b) Water in the funnel will flow down to the flask.

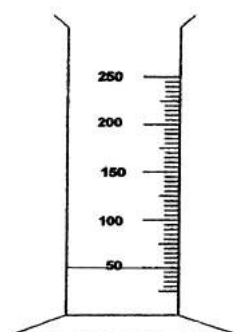
(c)

	Statement	True	False
a.	Air occupies space.	✓	
b.	Air has mass.		✓



**Q30** (a) i. The stone occupy the space.

ii. Solid has a definite shape but liquid does not have a definite shape.

(b)



- Q31** (a) i. **A**  
 ii. **Break down into simpler substance.**

- (b)  represents undigested food.  
 represents digested food.

- Q32** (a) The air in the sponge is compressed thus volume of sponge became smaller.  
 (b) **The cube has a definite shape.**

- Q33** through. (a) **Material P. P allows most of the light to pass through.**  
 (b) i. **The same thickness of the material.**  
 ii. **The position of the material.**

**Q34**

	Hui Lin's	True	False	Not possible to tell
(a)	Material D could be a piece of frosted glass.	✓		
(b)	Material A will not cast the darkest shadow.		✓	
(c)	No shadow will be formed by material B.		✓	
<b>Q35</b>	(d) Material C will form the longest shadow.			✓

(a) **Strong**

- (b) **String Y**  
 (c) **Same thickness.**

- Q36** (a) i. **Part BC ✓**  
 ii. **The butterfly is now at a pupa stage.**

- (b) i. **Insect S.**
- ii. **The colder the temperature, the more number of days for one complete life cycle.**
- Q37** (a) i. **Air bubbles.**
- (b) i. **Air occupies space in the measuring cylinder.**
- ii. **40 cm<sup>3</sup>**
- Q38** (a) **A : Transparent                      B : Transparent**
- C : Opaque                                      D : Transparent**
- (b) **Yes. B is transparent but C is opaque.**
- Q39** (a) **Q, S, R, P**
- (b) **The stronger the shopping bags, the more metal balls it can hold.**
- Q40** (a) i. **Can be compressed.**
- ii. **No definite shape.**

No.	Substance	Tick
i.	Oil	
ii.	Ice cubes	
iii.	Brownish Gas	✓
iv.	Plasticine	

(b)

- Q41** (a) **It will decrease.**
- (b) **Cooking oil allows more light to pass through as compared to coffee.**
- (c) **To find out which liquid allow most of the light passing through.**



End