Year 6 Answers



## Term 1

Units 1 – 11

# Essential Maths ANSWERS

## Term 1

## YEAR 6

	UNIT 1		- 8. 4	. 5	1
	wer may vary)	1	- a. $\frac{4}{9}$ d. $\frac{19}{36}$	b. $\frac{5}{9}$	c. $\frac{1}{36}$
1. a. E c. A e. A g. E i. C k. B m. B	d. f. h. j. l.	C A A B B B or C or D	9. a. $\frac{1}{12}$ d. $\frac{1}{4}$	b. $\frac{1}{6}$ e. $\frac{7}{12}$	c. $\frac{1}{4}$ f. $\frac{1}{12}$
o. B 2. $B - \frac{1}{4}$ ,	$Y-\frac{1}{6}$		10. a. $\frac{10}{21}$ d. $\frac{10}{21}$	b. $\frac{16}{21}$ e. $\frac{13}{21}$	c. $\frac{20}{21}$ f. $\frac{11}{21}$
a. $\frac{1}{8}$ d. $\frac{1}{2}$ g. $\frac{3}{8}$	b. $\frac{3}{8}$ e. $\frac{1}{4}$ h. $\frac{5}{8}$	c. $\frac{1}{2}$ f. $\frac{1}{2}$	g. $\frac{11}{21}$ j. $\frac{5}{21}$	h. $\frac{17}{21}$	i. $\frac{20}{21}$
4. a. $\frac{8}{15}$ d. $\frac{3}{5}$	b. $\frac{7}{15}$ e. $\frac{4}{5}$	c. $\frac{2}{5}$ f. $\frac{8}{15}$			
5. a. $\frac{1}{4}$ d. $\frac{1}{2}$	b. $\frac{1}{12}$ e. $\frac{5}{6}$	c. $\frac{1}{6}$ f. $\frac{3}{4}$		UNIT 2	2
d. $\frac{1}{2}$ g. $\frac{3}{4}$ j. $\frac{3}{4}$	h. $\frac{1}{3}$	i. 0	<b>Describing F</b> 1. a. – (c)	Patterns Using V	Words
6. a. $\frac{3}{10}$ d. $\frac{3}{10}$	b. $\frac{3}{5}$ e. $\frac{3}{10}$	c. $\frac{2}{5}$ f. $\frac{4}{5}$	Input 1 2 3 4	Output           1           4           7           10	
7. a. $\frac{1}{2}$ d. $\frac{1}{2}$	b. $\frac{1}{2}$ e. $\frac{1}{2}$	c. $\frac{3}{8}$ f. $\frac{3}{8}$	5 10 50 n	13 28 148 3n-2	

b. – (d)

Input	Output
1	1
2	3
3	5
4	7
5	9
10	19
50	99
n	2n-1

c.	_	(a)
----	---	-----

Input	Output
1	1
2	4
3	9
4	16
5	25
10	100
50	2500
n	<i>n</i> <sup>2</sup>

#### d. – (b)

Input	Output
1	2
2	6
3	12
4	20
5	30
10	110
50	2550
n	n(n+1)

2.

3.

a. 48, 54, 60	b. 43,36, 29
c. 128, 64, 32	d. 6, 12, 24
e. 15, 75, 375	f. 125, 25, 5
g. 11, 38, 119	h. 12, 28, 60
i. 6, 33, 1086	j. 2, 9, 730
a. Add 5	
b. Add 1.2	

- c. Multiply by 2
- d.  $n^{2}$
- e. Divide by 2
- f. The odd numbers of the alphabet

4.		
	a. 27, 30, 33	b. 49, 56, 63
	c. 24, 48, 96	d. 88, 84, 80
	e. 81, 243, 729	f. 32, 64, 128
	g. 1250, 6250, 31250	h. 13, 21, 34
	i. 36, 49, 64	j. 125, 216, 343

5.

a. x = number of matches n = number of squares

$$n = \frac{x}{4} \text{ or } 4n = x$$

b.

Number of Squares	1	2	3	4	5
Number of Matchsticks	4	8	12	16	20

6	7	8	9	10
24	28	32	36	40

6.

a. 3 matches

b. n= number of squares

x = number of matches x = 4 + (n-1)3

$$x = 4 + 3n - 3$$

$$x = 3n + 1 \text{ or } n = \frac{x - 1}{3}$$

c.

Number of Squares	1	2	3	4	5
Number of Matchsticks	4	7	10	13	16

6	7	8	9	10
19	22	25	28	31

7.

- a. The bottom is "5 times the top number".
- b. The bottom number is "7 more than the top number".
- c. The bottom number is "2times the top number minus 1".

#### Describing patterns using algebra

1.	
a. $n \times n = n^2$	b. $2n-5$
c. $2n+4$	d. $7 \times \frac{n}{2} = \frac{7n}{2}$
e. $\frac{n}{6}$	f. $ n-8 $
g. $2n+10$	h. $6n + 2$
i. $\frac{n}{3} - 4$	j. 4 <i>n</i> +36

2.

a.

Input	Output
1	1
2	0
3	3
4	0
5	5
6	0
7	7
8	0
50	0
101	101
even n	0
odd n	n

b.

Input	Output
1	2
2	3
3	6
4	5
5	10
6	7
7	14
8	9
50	51
101	202
even n	n+1
odd n	2n

3.			
	Pens	Partitions	
	1	4	
	2	7	
	3	10	
	4	13	
	5	16	
	п	3n+1	
	25	76	
	50	151	

4.

Pairs of Pens	Partitions
1	7
2	12
3	17
4	22
5	27
m	5m+2
10	52
30	152

5.

Tables	Seats
1 abies	
	4
2	6
3	8
4	10
5	12
п	2n+2
20	42
30	62

## **UNIT 3**

1.

a. line segment

c. ray

e. angle

g. plane

a. 2

2.

- b. line
- c. point d. vertex e. rays f. Parallel lines
- g. right

b. plane

f. point

h. plane

d. line segment

h. Intersecting lines

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3.		U	NIT 4
a. BCEF b. BC, CE, EF, FB c. AC, BD			
d. A, B, C, D, E, F e. $\angle ABF$ , $\angle ECD$ , $\angle$	BFE, ∠FEC,∠ECB		o. Yes c. No e. No f. No
$\angle FBC$ f. AB, BC, CD, EF, E		2.	
g. $FB \parallel EC$ , $FE \parallel BC$ h. $FB \perp BC$ , $BD \perp E$		a. Triangle,3,3 b. Octogon,8,8 c. Pentagon,5,5	
4.		d. Quadrilateral,	4,4
a. 40° b. 140° d. 60°	c. 140°	e. Hexagon,6,6 f. Decagon,10,1	0
5. a. acute	b. obtuse,	Regular Polygons	
c. acute, e. obtuse	d. acute, f. acute	1. a. No.	b. Yes
6. a. acute, 80°	b. obtuse, 146°	c. No Classification of Qu	d. No
c. obtuse, 104°	d. right, 90°	1.	
<ul> <li>7.</li> <li>a. line segment XY</li> <li>b. point A</li> <li>c. plane WXYZ</li> <li>d. ray EF</li> <li>e. line PQ</li> <li>f. angle ABC</li> </ul>		<ul> <li>a. Right-angled</li> <li>b. Equilateral Tr</li> <li>c. Isosceles Tria</li> <li>d. Right-angled</li> <li>e. Parallelogram</li> <li>f. Trapezium</li> <li>g. Square</li> <li>h. Obtuse-angled</li> </ul>	iangle ngle triangle
8. A, D 9. A, B		2.	
10. a. no c. no 11.	b. no d. yes	a. Trapezium, T b. Triangle, Traj c. Triangle, Tria	pezium
a. yes c. yes	b. yes d. no	e. Trapezium, T f. Parallelogram	riangle
12. B, C, D		3. a. True c. False	b. True d. True

e. True

g. True i. False f. False

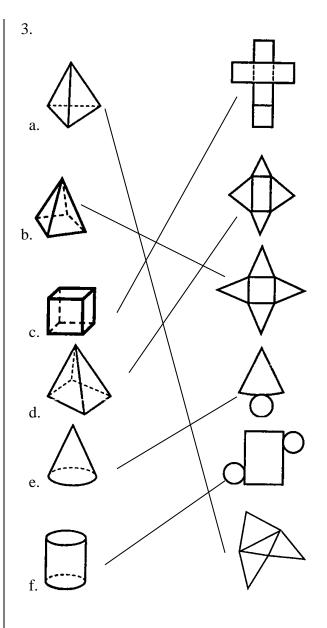
h. False j. False

UNIT 5

1.	no. of flat surfaces	number of vertices	no. of edges	name of solid figure
а	1	0	0	sphere
b	2	1	1	cone
с	3	0	2	cylinder
d	5	5	8	square pyramid
e	6	8	12	rectangular prism
f	6	8	12	rectangular prism

2.

- i. sphere
- ii. rectangular pyramid
- iii. cylinder
- iv. cone
- v. square pyramid
- vi. triangular pyramid



- 4. a. Name of solid: Hexagonal Pyramid Vertices: 7 Edges: 12 Faces: 7
  - b. Name of solid: Pentagonal Prism Vertices: 10
    Edges: 15
    Faces: 7
  - c. Name of solid: Pentagonal Pyramid Vertices: 6
     Edges: 10
     Faces:
  - d. Name of solid: Square Pyramid Vertices: 5
    Edges: 8
    Faces: 5.

3. a. South-east

- e. Name of solid: Rectangular Prism Vertices: 8 Edges: 12 Faces: 6
- f. Name of solid: Triangular Pyramid Vertices: 4 Edges: 6 Faces: 4
- g. Name of solid: Triangular Prism Vertices: 6 Edges: 9 Faces: 5
- h. Name of solid: Hexagonal Prism Vertices: 12 Edges: 18 Faces: 8

#### 5. a. 1

- b. 2
  - c. 4
  - d. 3
- 6. a. Triangular Prism
  - b. Cube
  - c. Cylinder
  - d. Cube
  - e. Pentagonal Pyramid
  - f. Cone

## **UNIT 6**

#### **Directions on a map**

1 . Constitution of	d) 3-
1. a. South-east	e) 4
b. South-east	f) 5
c. South-west	
d. Library	g) 2
e. 150 minutes	h) 2
	i) 3
f. South-wes	j) 6
2. a. South-west	2. 50.5
b. West	3. 250.5
c. North-east	4. 200
d. West	5. 285
e. 135°	6. 50
f. 90°	7. 500,5
1250	8. 51
5.	9. 16
h. 135°	10. 89.5

	b. East	
	c. North	
	d. South-east	
	e. South-west	
	f. East	
	g. North-east	
	h. South-west	
S	cale Drawing	
1.	a. 2.5m, 1.7m	
	b. $4.25 m^2$	
	c. 16.215 <i>m</i> <sup>2</sup>	
	d. 25.4 m	
2	:	h 20
2.	i. a. 5.3	b. 2.9
	c. 5.3	d. 2.
	ii. a. 450	b. 4.5
	c. 250	d. 2.
3.	a. 2 cm	b. 3 cm
	c. 600	d. 1000
Δ	$\frac{1}{2}$ mm	b. 60
т.	a. $\frac{1}{2}mm$	0.00
	c. 300	d. 3

### **UNIT 7**

#### Finding the Average of Consecutive Numbers

- 1.
  - a) 19 b) 33
  - c) 39
  - d) 34
  - e) 45
  - f) 50 g) 230
  - h) 259
  - i) 375
  - j) 60
- 50.5
- 250.5
- 200
- 285
- 50
- 500,500

c) 66

f) 6

#### Finding Addends from the Sum of Handshakes **Consecutive Numbers** 780 1. 2. 300 1. 121, 122, 123, 124, 125 3. 91 2. 92, 94, 96, 98, 100, 102, 104, 106, 108 78 4. 3. 37, 39, 41, 43, 45, 47, 49 5. 153 4. 11, 12, 13, 14, 15, 16, 17 26 6. 5. 8, 9, 10, 11, 12, 13, 14, 15, 16 7. 12 6. 9, 11, 13, 15, 17, 19, 21 8. 300 7. 30, 32, 34, 36, 38 8. 45, 46, 47, 48, 49 **UNIT 8** Number of Pages from a Range of Pages 1. **Apple and Orange Technique** b) 50 a) 139 c) 65 1. d) 76 e) 52 f) 39 a) 64 b) 41 g) 173 h) 89 i) 212 d) 44 e) 11 j) 199 h) 9 g) 10 2. 49 pages 2. \$20 3. 79 houses 3. \$65 4. 69 pages 4. Chicken: \$6, duck: \$8 5. 1590 tickets 5. Marker: \$44, pen: \$11 6. 609 receipts 6. \$144 7. 25 contestants 8. 69 participants **Apple, Orange and Banana Technique** 9. 109 pages \$39 10.10777 1. 2. \$34 3. \$82 Facing Pages Given the Sum of Page Numbers **Stream Problem 1** 1. 1. 16.5 km/h, 1.5 km/h a) 16, 17 2. 612 km/h, 28 km/h b) 32, 33 3. 21.5 km/h, 2.5 km/h c) 48, 49 4. 1061 km/h, 19 km/h d) 66, 67 5. 22.5 km/h, 4.5 km/h e) 88, 89 f) 110, 111 Stream Problem 2 g) 128, 129 h) 184, 185 1. 2 hours and 24 minutes 248, 249 i) 2. 28 minutes and 48 seconds i) 308, 309 3. 38 minutes and 46.5 seconds 2.46,47 4. 19 minutes and 33 seconds 3.60 5. 39 minutes and 22.5 seconds 4.88 5.235 **Average Speed** $68\frac{4}{7}$ km/h 1. **Exchange Gifts** 1. 1980 2. 57.6 km/h 2. 182 3. $34\frac{2}{7}$ km/h 3. 506 © Copyright - CS Education

4.  $67\frac{11}{27}$  km/h

### UNIT 9

#### **Proportion Problem 1**

- 1. 9
- 2. 22
- 3. 16
- 4. 19
- 5. 10
- 6. 16 7. 29
- 8. 5

#### **Proportion Problem 2**

- 1. 3
- 2. 2
- 3. 4
- 4. 8
- 5. 10
- 6. 12 7. 2
- 7. *2* 8. 8

#### Working Problem

- 1.  $4\frac{4}{5}$
- 2. 4 days
- 3.  $5\frac{1}{11}$  hours
- 4. 26 minutes 40 seconds
- 5.  $1\frac{7}{8}$
- 6. 4 hours
- 7.  $3\frac{1}{13}$
- 8. 36 hours

#### **Motion Problem**

- 1. a) 15 minutes
  - b) 2 hours 15 minutes
- 2. 1 hour
- 3. car: 490 km; bus: 410 km
- 4. 24 minutes
- 5. 615 km/h, 715 km/h

## **UNIT** 10

#### **Guess and Check**

- 1. 14
- 2. 312132 or 231213
- 3. 2835
- 4. 82, 28
- 5. As it is a square, the other side will also be odd, and odd + odd = even, therefore the perimeter will be an even number
- 6. 6
- 7. 12 spiders and 18 beetles
- 8.  $6 \times \$10$  notes

#### Simplifying the problems

- 1. 400
- 2. 105
- 3. 24
- 4. 62
- 5. 2 large boxes and 15 small boxes
- 6. 90
- 7. D
- 8. 108

#### **Working Backwards**

- 1. 6:20pm
- 2. 87
- 3. \$80
- 4. \$40
- 5. \$150

#### Logical Reasoning

- 1. 8492
- 2. 8 girls including Diana
- 3. 1285
- 4. a) 16, (white 8+black 6+ grey 2)
  b) 12, (G4+B6+W2)
  - c) 14, (W8+G4+ B2)
- 5. Leonardo: grocer, Romeo: electrician, Joshua: plumber
- 6. Friday
- Charlene & Greg, Sheila & Ben, Leah & Jim, Amy & Ferdinand
- 8. A: 4, B: 9, C: 7

# Enrich Maths ANSWERS

## Term 1

## YEAR 6

UNIT 1		9. a.	, B		
Multiple C	hoice		В	w w	
<ol> <li>C</li> <li>D</li> <li>C</li> <li>C</li> <li>A</li> <li>B</li> <li>B</li> <li>C</li> <li>D</li> <li>D</li> <li>T</li> <li>B</li> <li>B</li> <li>C</li> </ol>	4. 6. 8. 10 12 14 16	D A B B A	W	Y B W Y B W Y	
Extension			b. $\frac{2}{9}$	c. $\frac{1}{9}$	d. $\frac{1}{3}$
1. a. $\frac{1}{2}$ 2. $\frac{9}{10}$ 3. $\frac{5}{6}$	b. $\frac{2}{3}$ c.	$\frac{1}{3}$ d. $\frac{1}{3}$			
3. $\frac{5}{6}$				UNIT 2	
	es: B1, B2, R1, R		Multiple Cho	ice Exercises	
a. $\frac{1}{6}$ 5. a. $\frac{1}{6}$ d. $\frac{35}{36}$ 6. a. $\frac{1}{8}$	b. $\frac{1}{6}$ c. b. $\frac{1}{18}$ e. $\frac{1}{6}$ b. $\frac{3}{8}$	c. $\frac{1}{6}$ f. $\frac{1}{4}$ c. $\frac{7}{8}$	1. C 3. C 5. C 7. B 9. A 11. C 13. B 15. D 17. B 19. C	2. B 4. B 6. D 8. A 10. A 12. A 14. B 16. B 18. C 20. A	
d. $\frac{7}{8}$	e. $\frac{1}{2}$	f. $\frac{1}{2}$	Extension		
7. a. $\frac{3}{25}$ d. $\frac{17}{20}$	b. $\frac{7}{50}$ e. $\frac{11}{50}$	c. $\frac{31}{100}$ f. $\frac{1}{2}$	1. Tables 1 2 3 4 5 <i>n</i>	Seats 5 8 11 14 17 3n+2	
8. $\frac{3}{12}$			10 25	32 77	

$\mathbf{a}$	
_	

•		
Figure	Number of Sticks	Number of Sticks
1	4	(2×2)=2×1× (1+1)
2	12	(2×2×3)=2×2×(2+1)
3	24	(2×3×4)=2×3×(3+1)
4	40	(2×4×5)=2×4×(4+1)
п	2 <i>n</i> ( <i>n</i> +1)	2 <i>n</i> ( <i>n</i> +1)
15	480	480

3.

$$x = 6 + (n - 1)5$$
  

$$x = 5n + 1$$
  
 $\land$  figure 25 = 126 sticks  
4. 121

5. a. $n^3$	b. $\frac{1}{n^2}$	c. $\frac{n}{n+4}$	d. $\frac{n}{3n}$
6. a. 10 7. 336, 504	b. 17	c. 34	d. 87

## UNIT 3

#### **Multiple Choice Exercises**

1. C	2. A	3. B
4. B	5. A	6. B
7. C	8. A	9. A
10. B	11. A	12. B
13. B	14. C	15. B
16. A	17. B	18. C
19. D	20. C	

#### Extension

1	•	_

Method 1	Method 2
$\angle PQR$	$\angle q$
∠XYZ	∠y
∠ABC	$\angle b$
$\angle STU$	$\angle t$
∠DEF	$\angle e$
∠GHI	$\angle h$

- 2. Teachers Check
- 3. Teachers Check
- 4. Teachers Check
- 5. a. Obtuse b. Right c. Reflex d. Acute

b. 2

- 6. a. 1
- 7. a. 8 b. 7

## UNIT 4

#### **Multiple Choice Exercises**

1. A	2. C	3. A
4. C	5. B	6. B
7. B	8. B	9. D
10. B	11. A	12. C
13. C	14. D	15. B
16. D		

17. B

Total age =  $3 \times 8.75 = 26.25$ One child is 1.5 years older than the two. Let A be the age of one of the two children. 2A+(A+1.5)=26.25, 3A=24.75, A=8.25Total age of the two younger children= $2 \times 8.25 = 16.5$ 

- 18. C
- 19. C
- 20. D

#### Extension

#### 1.

a. Heptagon	b. Octagon
c. Triangle	d. Pentagon
e. Pentagon	f. Hexagon
g. Heptagon	h. Octagon

2.

Equilateral -  $\triangle ABC$ Scalene -  $\triangle ADE$ ,  $\triangle BEF$ ,  $\triangle CDF$ ,  $\triangle DEF$ 

3.					
	Polygon	Number of sides	Number of vertices	Number of Diagonals	
a	Triangle	3	3	0	
b	Quadrilateral	4	4	2	
с	Pentagon	5	5	2 5 9	
d	Hexagon	6	6	9	
e	Heptagon	7	7	14	
f	Octagon	8	8	20	
g	Nonagon	9	9	27	
h	Decagon	10	10	35	
4: figure A a. AD, AB b. AD, BC c. AC, BD figure B a. 4 b. 1 c. 0 d. 2					
5.① rectangle③ rectangle④ rectangle④ rectangle⑥ triangle⑦ rectangle⑧ triangle⑨ triangle① rectangle					

#### **Multiple Choice Exercises**

1. A	2. C	3. D
4. A	5. B	6. B
7. B	8. B	9. D
10. D	11. C	12. C
13. C	14. D	15. C
16. B	17. A	18. C
19. D	20. C	

#### Extension

1.	a. b	b. b	c. a	d. c
2	т.,	. 1		

- 2. a. Tetrahedron
  - b. Cube
  - c. Sphere
  - d. Cylinder
  - e. Hexagonal pyramid
  - f. Triangular Prism
  - g. Rectangular Prism

- 3. a, c, e
- 4. a. Cone, Cylinder
  - b. Rectangular Prism, Triangular Prism
  - c. Cylinder, Cylinder
  - d. Square Pyramid, Square Pyramid
  - e. Triangular Prism, Rectangular Prism
  - f. Hemisphere, Cylinder
- 5. a. parrel bases are not congruent.
  - b. a cone is not a prism. It has no polygonal faces.
  - c. a sphere is not a prism. It has no polygonal faces.
  - d. It has no polygonal faces.

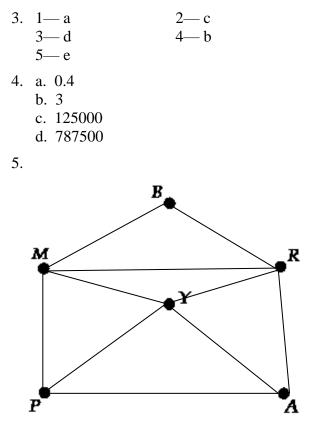
## **UNIT 6**

#### Multiple Choice Exercises

1. D	2. B	3. D
4. A	5. B	6. A
7. B	8. B	9. A
10. C	11. B	12. C
13. C	14. A	15. C
16. A	17. B	18. A
19. C	20. D	

#### Extension

- 1. a. West
  - b. Soccer Field
  - c. Hall, School canteen
  - d. North-west
  - e. South-west
  - f. East
  - g. South-west
  - h. North-east
  - i. Office
- 2. a. Church
  - b. North
  - c. Market
  - d. Market
  - e. South-west
  - f. North-east
  - g. North-west
  - h. South-east
  - i. West
  - j. South-west



#### Extension

1. 6, 66 Average= $\left(\frac{1+11}{2}\right)=6$ , or  $\left(\frac{1+2+3+4+5+6+7+8+9+10+11}{11}\right)$ Total =  $\left(\frac{1+11}{2}\times11\right)=66$ , Or (1+2+3+4+5+6+7+8+9+10+11)=66

2. Ave =7= 
$$\left(\frac{1+13}{2}\right)$$
,  
Total =91=  $\left(\frac{1+13}{2} \times 13\right)$ 

3. \$2000, (200+300+400+500+600)

4. 13 cm = 
$$\left(\frac{2+24}{2}\right)$$

- 5. 80, 100, 120, 140, 160
- 6. 6, 8, 10, 12, 14, 16, 18
- 7. 19
- 8. 639200, (800×799)

9. 
$$24\left(\frac{n\times(n-1)}{2}=276\right)$$

10. 23 games must be played. (12+6+3+2)

11. \$156, 
$$\left(\frac{2+24}{2} \times 12\right)$$

- 12. 177 mm, average increased 1mm per month
- 13. \$8190, (2+4+8+16+32...+2048+4096)
- 14. 72, (8+1+3+5+7+9+11+13+15)
- 15. Bernie should take daily allowance (everyday scheme: \$1.27>\$1.25)

16. 53, 
$$\left(\frac{1+7}{2}+49\right)$$

- 17.20
- 18.10
- 19. 1332
- 20. 195 cm

**Extension** 

5.45g

7. \$24 8. 10 cars

9. \$35

11.14

19. \$90

 $2 \times a - b$ 

#### **UNIT 8** UNIT 9 Extension 1. 35 and 23 2.5 hours 1. 40, $\left(\frac{64}{72} = \frac{16}{n}, n = 18, 72 - 18 - 14 = 40\right)$ 3.90 minutes 4. \$30 6. \$70 2. 8, $\left(\frac{24}{36} = \frac{n}{12}, n = 8, 24 - 8 - 8 = 8\right)$ 12C + 3D = 1200...a3. $\frac{2}{3}$ , $\left(\frac{36}{20} = \frac{n}{5}, n = 9, \frac{9+15}{36} = \frac{2}{3}\right)$ 2C + 6D = 750...b4. 3 men (18n = 54)24C+6D-2C-6D = 2400 - 75022C = 1650, C = 75, D = 1005. 3 square metres (12n = 36) $\therefore$ 750 ÷ 75 = 10 toy cars 6. 60 7. 6 minutes $(30n = 9 \times 5 \times 4)$ 10. 1hour 10 minutes = $1\frac{1}{7}$ hours 8. 15 days, $\left(\frac{1}{9} + n = \frac{1}{6}, n = \frac{1}{15}\right)$ 12. 6 oranges and 7 pears 9. 90 hours, $\left(\frac{1}{9} - \frac{1}{n} = \frac{1}{10}\right)$ O + P = 13, (13-P) + 2P = 20 $\therefore P = 7, O = 6$ 10. 70 km/h $(2n+2\times 60=260)$ 13. There were $6 \times \$10$ notes and $3 \times \$5$ notes 11. 12 km/h $(4n+5.5\times4=74)$ 14. 8 × \$20 notes and 12 × \$5 notes 15. 6 $\times$ 20cents coins (Let there are x 20cents 12. 30 m/sec $\left(\frac{450+150}{20}\right)$ coins and y 50cents coins, x + y = 9, 20x + 50y = 270cents) 13. 3601 poles $\left(\frac{4 \times 45 \times 1000}{50} + 1\right)$ 16. 24 (There were x red apple and x green apple, $x = (x - 8) \times 3$ , so 2x = 24) 14. 1.5 km/h (13/5 = 2.6, 28/5 = 5.6, (2.6 + 17. \$72 (Let C received x, B: 3x, C: 6x, (5.6)/2 = 4.1, 5.6 - 4.1 = 1.5)x+3x+6x=120, x=12, so A=6x=72) 15. 12 days 18. \$95 (Let money I have: x, my sister: \$130x, x+10=3(130-x)16. X: \$3000, Y: \$2400, Z: \$2000 (ratio: $\frac{1}{8}:\frac{1}{10}:\frac{1}{12}$ ) 20. 8 chickens and 12 ducks (Let the number of chicken x, number of duck 20-x, 17. 80 seconds ((20-15) n = 400) 2x+0.5(20-x)=22) 18. 40 km/h ((n+25)/1.25 = 60, n=50, 50/1.25 = 40)19. 2.5 km (Let n = time needed to be on time,

$$4 \times \left(n + \frac{1}{12}\right) = 5 \times \left(n - \frac{1}{24}\right), \ n = \frac{13}{24}$$
$$4 \times \left(\frac{13}{24} + \frac{1}{12}\right) = 2.5 \text{km}$$

20. 2.5 hours

(Let usual time be n minutes,

usual rate  $\times$  n =  $\frac{6}{7}$   $\times$  usual rate  $\times$  (n+25) n = 150 = 2.5 hours)

## **UNIT 10**

#### Extension

- 1. 193 (43+61+89)
- 2. Alfred: 7, Bert: 9, Charles: 11, Daniel: 13
- 3. 10 (3 guppies, 3 goldfish, 3 angelfish + any 1 of guppy or goldfish make absolutely sure of getting the four same breed)
- 4. Mary: 40 kg, Kennedy: 43, Tom: 46, Jane: 44
- 5.  $\$50 \left(\frac{2}{5} \text{ of her remaining money was }\$8, \text{ so}\right)$

her remaining money was \$20, which was  $\frac{2}{5}$  of the money she started with, therefore

she had \$50 at the beginning)

- 317 (common multiples of 3,5,7 = 105, 210, 315, 420, the smallest number over 250 is 315, 315+2=317)
- 7. 9 (20-1-2-3-5 = 9)
- 8. Danny
- 9.  $300 ((30+30) \times 2 = 120, (120+30) \times 2 = 300)$
- 10. 22 (Let there be x red marbles, y marbles in total, x-1: y-1=1:7, y=7x-6, x:7x-6-2 = 1: 5, x=4, y=22)
- 11. 8 buses of 91 students  $(728 \div 2 \div 2 \div 2 = 91)$
- 12. 48% (80% are coins and 60% of the coins are gold, so 80% × 60% = 48%)

- 13. 108 (Let Karen share n buttons, Kathleen 5n buttons, n-36=5n+36, n=18, n+5n=108
- 14. A: 232, B: 172, C: 516 (60 + B + B + 3B = 920, B=172)
- 15. Mr. Benoit

16. 108:125 
$$\left(\frac{1}{10 \times 100 \times 100} : \frac{1}{24 \times 60 \times 60}\right)$$

- 17. 85 beads
- 18. 9360  $(26 \times 26 \times 10 + 26 \times 10 \times 10)$
- 19. 173 boxes (163 boxes of 12 and 10 boxes of 5
- 20. a) 75m/min (900/12)
  - b) 300 revolutions/min (90000/25=3600, 3600/12=300)

## Creative Problem Solving ANSWERS

## Term 1

## YEAR 6

- 1. 75 km/1.2hrs = 62.5 km/hr
- 3/4- 5/8 = 1/8, 1/8 water = 125 mL = 125 g, <sup>3</sup>/<sub>4</sub> water = 750 mL, jug weighs 250 g
- 3. 5bars = 4cuts anywhere,  $4 \times 14 =$ **56minutes**
- 4. 80 and 60
- 5. 4% walked = 37sudents, 37 × 25 = **925students**
- 6. take out 3
- 7. 250%
- 8.  $100\% \times 110\% = 110\%$ ,  $110\% \times 90\% = 99\%$
- 9. Cherise is 11years younger than Charlene, so will be **9 years** old
- 10. (*x*) + (*x*+1) = 729, 2*x* = 728, *x* = 364, so pages are **364 and 365**
- 11. 120cm<sup>3</sup> + 36cm<sup>3</sup> = **156 cm<sup>3</sup>**
- 12. shirts at \$26.67 each, 580/26.67 = **21 shirts**
- 13. Stevenson is 18 now, in 6 years the sum will be 18 + 6 + 45 + 6 = 75
- 14. 5% is \$32, 15% is **\$96**
- 15. 6 pencils for each ratio part, 7 + 13 = 20 parts altogether, **120 pens** and pencils altogether
- 16. 6.75 − 1 1/5 = 5.55, 5.55\3 = 1.85, 1.85 + 1 1/5 = **3.05**
- 17. area of paper is  $90 \text{cm}^2$ , area of photo is 72 cm<sup>2</sup>, 18/90 = 1/5
- 18. 3 ratio parts is 6 animals, 1 ratio part is 2 animals, 8 dogs + 6 cats + 14 birds

## UNIT 2

- 1. \$71.95
- 2. 4, 14, 24, 34, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49,54 = **16 times**
- 3. 54 x 35 = 1890cents = \$18.90, profit is **\$3.90**
- 4. 250/30 = 8 1/3 hours, leave at **4:20 pm**
- 5.  $1^{st}$  person shakes hands with 21 people, next person with 20 since already shook with  $1^{st}$  person, then 19, 18, 17... add up numbers from 1 to 21 = 231
- 6. original was 108, answer should be 984
- 7. 2.16m after 1<sup>st</sup> bounce, 1.44 after 2<sup>nd</sup>, 0.96 after 3<sup>rd</sup>, **0.64 m** after 4<sup>th</sup> bounce
- 8. 1-9 is 9digits, 10-99 is 180digits, 100-248 is 447digits, altogether **636 digits**
- 9. The lowest common multiple of 4, 6, and 7 is 84. 84 **days or 12weeks**
- 10. daughter born in 1667, mother was **30** in 1667
- 11. 98764 103 = **98661**
- 12.200%
- 13. total is 378, total for first 8 is 136 and total for last 12 is 228, 9<sup>th</sup> score is **14**
- 14.6
- 15. 48 m<sup>3</sup> of water will be displaced, 3 m width x 4 m length x 4 m height, water rises 4 m
- 16. \$150
- 17. LCM of 3, 5 and 7 is 105 minutes, bells next ring together at **2:45 pm**
- 18. In one hour, Tap A fills 3 buckets and Tap B fills 2 buckets = 5 buckets/hr, one bucket would take 12 minutes

- short side is half of long side, long side =
   9cm, original area is 81 cm<sup>2</sup>
- 994<sup>th</sup> student in 7<sup>th</sup> line, 998<sup>th</sup> student in 4<sup>th</sup> line
- 3. 270 000
- 4. 15 children eat 7cakes in 14days, 15 children eat **3 cakes** in 6 days
- 5. 197 + 641 = 838 students, 838 773 = 65 students who like both, 132 like reading only and 576 like television only
- 6. 28 + 14 + 147 + 3 + 21 + 7 = 220
- 7. Coby reads 48 pages in 144 minutes = 1 page in 3 minutes, Kobe reads 12 pages in 40 minutes = 1page in 3 1/3 minutes, Coby reads faster by 2 pages per hour
- 8. 3 hours 55 minutes = 235 minutes, 235\57
  = 4.12, so needs 5 cups of coffee
- 6 game total is 135, 7 game total would have to be 168, so needs to score 33 in the next game
- 10. 27, Three numbers are 8, 9, 10.
- 11.400%
- 12. 45 x 3.5 = 157.5hours = 6days and
  13.5hours, last elixir period would finish at
  12:17pm of the Friday of the week after,
  but this elixir was taken 3.5 hours prior, so
  elixir finishes at 8:47 am
- 13. 13/18
- 14. 6people work for 9 days to complete 2 fifths, 9people work for 6days to complete 2 fifths, 9people work for 9days to complete 3 fifths, so 9 more days
- 15.195
- 16. fenced on 3 sides of the land, each side is 7 m, so area is  $49 \text{ m}^2$
- 17. take out 4pens, so **4<sup>th</sup> pen** must be a repeat
- 18. answer he obtained is 1100, answer he wished to obtain was 1.1, difference is 1098.9

## UNIT 4

- 1.  $1\frac{1}{4} + 0.25 = 1.5$ , 1.5 is  $\frac{3}{4}$  of 2
- Trix is 41 times as old as Xirec, so difference between the two is 40times Xirec's age = 120years, Xirec's age is 3, Trix's age is 123
- 3. 3 weeks = 21 days, nice rainy weather on **13 days**
- 4. 24 ants and 14 spiders
- 5. 2 \$1 coins, 5 50cent coins and 3 10cent coins
- 6. LCM of 96 and 108 is 864 seconds
- 7. **21**,  $525/21 = 25 = 5^2$
- 8. **210**, 240 = 1.5 x 160
- 9. **12**, 12/17 = 0.71
- 10. 7.5 cm / 5 mm = 15,  $15 \times 8$  m = **120** m
- 11. each side is 8cm, 6 faces, 8×8×6 = **384cm<sup>2</sup>**
- 12.11
- 13. flies 800 km/hr, 800x3.2 = **2560 km**
- 14. when travelling upstream, overall speed of boat is 16 km/hr, 40/16 = 2.5 hours
- 15. 14 wedges were made, he has eaten 0% of the wedges made
- 16. to pass a pole must travel 80 m, 80/600 = 2/15 minutes = 8 seconds
- 17. counts 79×60×24×5 = \$568800 per week, 1000000/568800 = 1.76 weeks, **needs 2** weeks
- 18. 3<sup>rd</sup> of May to 31<sup>st</sup> May is 29days, 30days in June, 31days in July, 31days in August, 30 in September, 31 in October, 30 in November, 15 for December, altogether = 227 days

- 1. 255
- 2. **must take out 14**, first 13 may be all blue and green but 14<sup>th</sup> must be red
- 3. 25%
- 4. 0.064027
- 5. 5,  $5 \times 45 = 225 = 15^2$
- 6. 3632 419 = 3213, 3213/357 = 9
- 7. seven men take 6days
- 8. 8 \$10notes and 7 \$5notes
- 9. 50
- 10. 23<sup>rd</sup> April, 30<sup>th</sup> April, 7<sup>th</sup> May, 14<sup>th</sup> May, 21<sup>st</sup> May, 28<sup>th</sup> May, 4<sup>th</sup> June, 11<sup>th</sup> June, 18<sup>th</sup> June, 25<sup>th</sup> June, 2<sup>nd</sup> July, 9<sup>th</sup> July, 16<sup>th</sup> July, 23<sup>rd</sup> July, 30<sup>th</sup> July, 6<sup>th</sup> August, 13<sup>th</sup> August, 20<sup>th</sup> August, 27<sup>th</sup> August, 3<sup>rd</sup> September are all Wednesday, 6<sup>th</sup> is a Saturday
- 11. must take out 21 balls, because first 20 may be black and yellow and green
- 12. each pineapple costs \$1.90, each apple costs \$1.50
- 13. number should be a multiple of 10, 11x14 + 16 = 170
- 14. 37 bicycles, 7 tricycles
- 15. minute hand travels 360° in one hour, travels 6° in one minute, so travelling 636° is 106minutes, so time is 1:46pm
- 16. 12 bottles of Pep Cola is \$19.80, 12 bottles of Koka Cola is \$18.45, \$1.35/12 = 0.1125, Koka Cola is the better deal by 11.25cents per bottle
- 17. **take out 8 novels**, so 8<sup>th</sup> novel is definitely not a horror novel if first 7 were
- 18.4035
  - a. The sum from 1 to 98 = 4851
  - b. The sum of multiple of 6=

6+12+18+24+30+36+42+48+54+60+6 6+72+78+84+90+96=816

19.4851-816=4035

## **UNIT 6**

1. There are several correct answers for this question, below is a suggested answer.

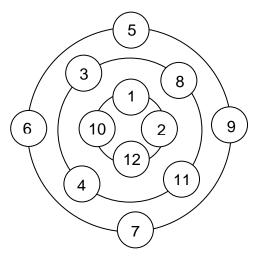
 $(1+2) \div 3 + 4 \times 5 = 21$ 

2. (3, 7) (7, 11) (13, 17) (19, 23)

3.

2	9	4
7	5	3
6	1	8

- 4. \$146.25
- 5. There are several correct answers for this question, below is a suggested answer.



#### Another Suggested answer

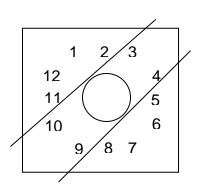
Inner circle: 3,6,7,9 Middle circle: 1,5,8,12 Outer circle: 2,4,10,11

In all answers the inner ring must add to 25, the middle ring to 26 and the outer ring to 27, and each number must only be used once.

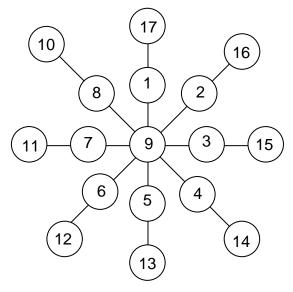
2.

### UNIT 7

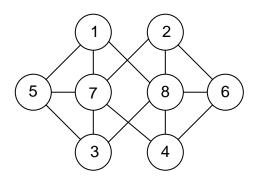
1.



- 2. These are suggested answers  $(1+3) \times 5 - (3 \times 1) = 17,$  $1 \times 3 \times 5 + 3 - 1 = 17$
- 3. This is a suggested answer



- 4. (Hexagon  $\left(\frac{1+(5\times4)}{(5-2)}-(0+1)=6\right)$
- 5. This is a suggested answer

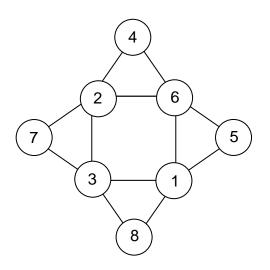


## UNIT 8

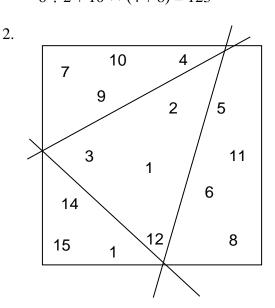
1. 11 + 22 + 33 = 66

4	9	5	16
14	7	11	2
15	6	10	3
1	12	8	13

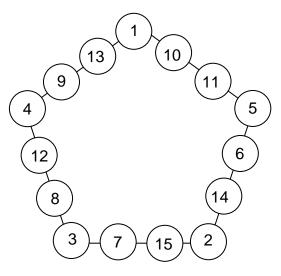
- 3. 30 days
- 4. Below *is a suggested answer*  $(5+5) \div 5 + (5 \times 5) - 5 = 22$
- 5. Below is a suggested answer



1. This is suggested answer  $6 \div 2 + 10 \times (4 + 8) = 123$ 



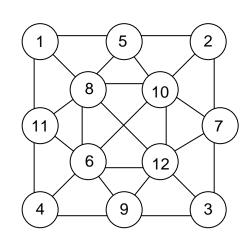
3. This is a suggested answer



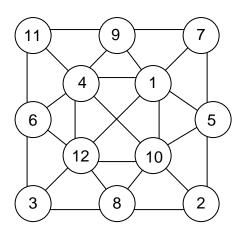
Another answer: 1,15,9,2 2,14,8,3 3,13,7,4 4,12,6,5 5,11,10,1

4. 45 km/h

5. This is a suggested answer



Another answer



1. This is a suggested answer

 $(2+3)\times(3\times3)\times(2-1)$ 

Another answer

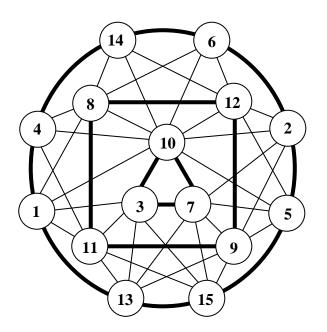
 $(1+2+2) \times (3+3+3)$ 

2. 28 - 6 = 22

2	
3	•

2	19	14	5	25
23	11	10	18	3
22	20	13	6	4
17	8	16	15	9
1	7	12	21	24

- 4. There are several answers which meet the requirements, two examples are:
  - a 1 kg box, 2 kg box, 4 kg box, 5 kg box and 11 kg box
  - a 1 kg box, 2 kg box, 4 kg box and two 8 kg boxes
- 5. This is a suggested answer



# Mental Maths ANSWERS

## Term 1

## YEAR 6

		UNIT 1	Day 5	
Day 1			(1)	$\frac{1}{20}$
(1)	$12\frac{1}{2}$	Day 2	(2)	
(2)	$1\frac{3}{4}$	(1) $\frac{1}{8}$ (2) $\frac{43}{60}$	(3)	$3\frac{12}{35}$
(3)	$1\frac{3}{4}$ $\frac{1}{4}$	$ \begin{array}{ccc} (2) & \frac{43}{60} \\ (3) & 4 \end{array} $	(4)	$8\frac{7}{12}$ $3\frac{12}{35}$ $\frac{3}{10}$
(4)	$\frac{23}{30}$	(3) 4 (4) $2\frac{1}{9}$	(5)	$1\frac{13}{19}$
(5)	$13\frac{1}{3}$	(5) $\frac{11}{20}$	(6)	76 <u>19</u>
(6)	$\frac{1}{2}$	(6) $\frac{1}{2}$	(7)	$\overline{24}$
(7)	$2\frac{2}{2\frac{2}{5}}$	(7) $6\frac{2}{2}$	(8)	$\frac{\overline{24}}{1}$ $\frac{1}{18}$ $8\frac{3}{4}$
(8)	$\frac{1}{2}$ $2\frac{2}{5}$ $1\frac{7}{40}$ $\frac{43}{70}$	(5) $\frac{11}{30}$ (6) $\frac{1}{2}$ (7) $6\frac{2}{3}$ (8) 6 (9) $\frac{7}{20}$	(9) (10)	8 - 4 10
(9)	$\frac{40}{43}$	(9) $\frac{7}{20}$ 5		
(10)	$3\frac{1}{9}$	(10) $3\frac{5}{6}$		
			Day 6	
Day 3		Day 4	(1)	$5\frac{19}{19}$
(1)		1	(1)	ັ າ 5
	$5\frac{1}{2}$	(1) $\frac{1}{2}$		$\frac{65}{72}$
(2)	$5\frac{1}{2}$ $\frac{25}{224}$	(2) 18	(2)	$5\frac{19}{25}$ $\frac{65}{72}$ $2\frac{23}{12}$
(2) (3)	$224$ $21\frac{1}{4}$	(2) 18 (3) $7\frac{1}{2}$	(2) (3)	$2\frac{23}{48}$
	$224$ $21\frac{1}{4}$ $\frac{49}{60}$	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$	(2) (3) (4)	$2\frac{23}{48}$
(3)	$224$ $21\frac{1}{4}$ $\frac{49}{60}$	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> </ul>	$2\frac{23}{48}$
(3) (4)	$224$ $21\frac{1}{4}$ $\frac{49}{60}$ $2\frac{2}{3}$ $6\frac{1}{2}$	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$ (5) $9\frac{3}{4}$ (6) $1\frac{1}{3}$ (7) 7	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> </ul>	$2\frac{23}{48} \\ \frac{29}{72} \\ 3\frac{1}{6} \\ \frac{21}{40} $
<ul><li>(3)</li><li>(4)</li><li>(5)</li></ul>	$224  21\frac{1}{4}  \frac{49}{60}  2\frac{2}{3}  6\frac{1}{2}  1\frac{11}{20} $	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$ (5) $9\frac{3}{4}$ (6) $1\frac{1}{3}$ (7) 7	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> </ul>	$2\frac{23}{48} \\ \frac{29}{72} \\ 3\frac{1}{6} \\ \frac{21}{40} $
<ul> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> </ul>	$224  21\frac{1}{4}  \frac{49}{60}  2\frac{2}{3}  6\frac{1}{2}  1\frac{11}{20}  \frac{1}{3} $	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$ (5) $9\frac{3}{4}$ (6) $1\frac{1}{3}$ (7) 7	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> </ul>	$2\frac{23}{48} \\ \frac{29}{72} \\ 3\frac{1}{6} \\ \frac{21}{40} $
<ul> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> </ul>	$224  21\frac{1}{4}  \frac{49}{60}  2\frac{2}{3}  6\frac{1}{2}  1\frac{11}{20}  \frac{1}{3} $	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$ (5) $9\frac{3}{4}$ (6) $1\frac{1}{3}$ (7) 7 (8) $6\frac{1}{9}$ 2	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> </ul>	$2\frac{23}{48} \\ \frac{29}{72} \\ 3\frac{1}{6} \\ \frac{21}{40} $
<ul> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> </ul>	$224  21\frac{1}{4}  \frac{49}{60}  2\frac{2}{3}  6\frac{1}{2}  1\frac{11}{20} $	(2) 18 (3) $7\frac{1}{2}$ (4) $\frac{19}{36}$ (5) $9\frac{3}{4}$ (6) $1\frac{1}{3}$ (7) 7	<ul> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> </ul>	$2\frac{23}{48}$

	UNIT 2	— Day 3	Day 4
Day 1         (1) $\frac{1}{3}$ (2) $\frac{1}{3}$ (3)       0         (4)       0         (5)       0         (6)       0         (7) $\frac{9}{20}$	Day 2 (1) $\frac{45}{56}$ (2) $\frac{45}{56}$ (3) $\frac{17}{56}$ (4) $\frac{17}{56}$	$(9)  \frac{11}{30} \\ (10)  \frac{11}{30} \\ (11)  1\frac{7}{8} \\ (12)  1\frac{7}{8} \\ \end{cases}$	$(9)  \frac{1}{20} \\ (10)  \frac{1}{20} \\ (11)  \frac{5}{36} \\ (12)  \frac{5}{36} \\ \end{cases}$
(1) 20 (8) $\frac{9}{20}$ (9) $\frac{7}{60}$ (10) $\frac{7}{60}$ (11) $1\frac{29}{36}$ (12) $1\frac{29}{36}$	(5) $\frac{3}{5}$ (6) $\frac{3}{5}$ (7) $\frac{21}{32}$ (8) $\frac{9}{64}$ (9) $\frac{7}{120}$ (10) $\frac{7}{120}$ (11) $2\frac{1}{12}$ (12) $2\frac{1}{12}$	Day 5 (1) $4\frac{1}{2}$ (2) $4\frac{1}{6}$ (3) $3\frac{1}{2}$ (4) $3\frac{5}{6}$ (5) $3\frac{1}{2}$ (6) $3\frac{5}{6}$ (7) $1\frac{1}{15}$	$\begin{array}{rrrr} \textbf{Day 6} \\ (1) & 7\frac{3}{8} \\ (2) & 6\frac{1}{8} \\ (3) & 4\frac{5}{8} \\ (4) & 5\frac{7}{8} \\ (5) & 4\frac{5}{8} \\ (6) & 5\frac{7}{8} \\ (7) & \frac{17}{21} \end{array}$
Day 3 (1) $\frac{55}{72}$ (2) $\frac{55}{72}$ (3) $\frac{19}{72}$ (4) $\frac{19}{72}$ (5) $\frac{1}{12}$ (6) $\frac{1}{12}$ (7) $1\frac{1}{30}$ (8) $1\frac{1}{30}$	Day 4 (1) $5\frac{11}{12}$ (2) $5\frac{5}{12}$ (3) $4\frac{1}{12}$ (4) $4\frac{7}{12}$ (5) $4\frac{1}{12}$ (6) $4\frac{7}{12}$ (7) $\frac{1}{4}$ (8) $\frac{1}{4}$	$(8)  1\frac{1}{15} \\ (9)  \frac{2}{15} \\ (10)  \frac{2}{15} \\ (11)  \frac{40}{147} \\ (12)  \frac{40}{147} \\ \end{cases}$	$(8)  \frac{17}{21} \\ (9)  \frac{1}{7} \\ (10)  \frac{1}{7} \\ (11)  \frac{7}{16} \\ (12)  \frac{7}{16} \\ \end{cases}$

		Г З	<b>Day 3</b>	Day 4
Doy 1		Day 2	(10) $7\frac{19}{40}$	(11) 4
<b>Day 1</b> (1)	2		(11) $2\frac{22}{45}$	$(12)  \epsilon^{29}$
(2)	$2\frac{11}{1}$	(1) $2\frac{5}{24}$	45	(12) $6\frac{29}{135}$
	15	(2) $4\frac{1}{12}$	(12) $3\frac{4}{5}$	
(3)	$2\frac{11}{15}$ $14\frac{2}{3}$	(3) $1\frac{3}{4}$		
(4)	$5\frac{17}{33}$	(3) $1\frac{3}{4}$ (4) $3\frac{2}{3}$ (5) $\frac{8}{27}$		
	33 14	(4) $3\frac{2}{3}$		
(5)	$\frac{14}{25}$	(5) $\frac{8}{27}$	Day 5	Day 6
(6)	$2\frac{13}{25}$	27	(1) $\frac{3}{4}$	(1) $4\frac{5}{8}$ (2) $1\frac{4}{7}$
( <b>7</b> )	23	(6) $8\frac{1}{3}$	(2) $1\frac{1}{5}$	(2) $1\frac{4}{7}$
(7)	$2\frac{1}{9}$ $3\frac{4}{13}$	(7) $3\frac{1}{9}$		7
(8)	$3\frac{4}{13}$	9 7	(3) 1 (4) 1 <sup>3</sup>	(3) $21\frac{3}{4}$
(9)	$2\frac{1}{8}$	(8) $\frac{7}{8}$	(4) $1\frac{3}{10}$	(4) $8\frac{2}{z}$
()	$\frac{2}{8}$	(9) $4\frac{34}{22}$	(5) $11\frac{5}{6}$	5 4
(10)	$9\frac{1}{28}$	39	(6) $\frac{1}{2}$	(5) $8\frac{4}{9}$
(11)	$3\frac{1}{3}$	(9) $4\frac{34}{39}$ (10) $5\frac{5}{6}$		(6) $\frac{9}{20}$
	3 7	(11) $\frac{7}{20}$	(7) $13\frac{1}{8}$	
(12)	$\frac{7}{8}$	(12) 1 1	(8) $2\frac{1}{2}$	(7) $10\frac{5}{6}$
		(12) $1\frac{1}{39}$	2	(8) $\frac{52}{75}$
Day 3		<b>Day 4</b>	(9) $2\frac{17}{72}$	
(1)	$2\frac{9}{28}$	(1) $2\frac{14}{15}$	(9) $2{72}$ (10) $1\frac{19}{56}$	$(9)  0\frac{1}{54}$
(2)	28	(2) $\frac{9}{50}$	56	(9) $6\frac{17}{54}$ (10) $3\frac{26}{63}$ (11) $4\frac{4}{15}$
(3)	$\frac{1}{20}$	50 7	(11) $\frac{1}{3}$	(11) $4\frac{4}{15}$
	20	(3) $1\frac{7}{30}$	(12) $9\frac{13}{18}$	
(4)	$2\frac{11}{12}$	(3) $1\frac{7}{30}$ (4) $5\frac{13}{24}$	18	(12) $1\frac{1}{8}$
(5)	$4\frac{31}{36}$	24		
	36 5	(5) $10\frac{1}{3}$		
(6)	$\frac{5}{9}$	(6) 1 77		
(7)	3	(7) $3\frac{77}{120}$		
X' /		(8) $\frac{5}{7}$		
(8)	$2\frac{2}{15}$			
(9)	$2\frac{2}{15}$ $12\frac{7}{33}$	(9) $7\frac{13}{20}$		
(7)	$12{33}$	(10) $2\frac{18}{19}$		
		19		

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	UNIT 4	Day 3	Day 4
Day 1	Day 2	$\begin{array}{c cccc} \hline & (10) & 3\frac{2}{15} \\ (11) & \frac{17}{40} \end{array}$	(10) $1\frac{16}{35}$
(1) 17	(1) $1\frac{37}{40}$	(11) $\frac{17}{40}$	(11) $1\frac{16}{35}$
(2) $\frac{1}{5}$	(2) 63	(12) $\frac{17}{40}$	(12) $8\frac{17}{24}$
(3) $1\frac{5}{8}$ (4) $\frac{77}{180}$	(3) $\frac{3}{8}$ (4) $\frac{3}{8}$ (5) $\frac{1}{6}$ (6) $\frac{1}{6}$	40	24
(4) $\frac{8}{100}$	(4) $\frac{3}{8}$		Day 6
(+) 180	(5) 1	Day 5	
(5) $\frac{10}{21}$	(5) $\frac{1}{6}$	(1) $1\frac{3}{8}$	(1) $13\frac{62}{75}$
(6) $\frac{10}{21}$	(6) $\frac{1}{6}$	(2) $\frac{7}{12}$	(2) $\frac{4}{15}$
(7) $\frac{21}{43}$	(7) $3\frac{1}{4}$	(1) $1\frac{3}{8}$ (2) $\frac{7}{12}$ (3) $1\frac{1}{5}$	(3) $\frac{4}{15}$
45 4	(8) $3\frac{3}{20}$	(4) $13\frac{1}{2}$	(2) $\frac{4}{15}$ (3) $\frac{4}{15}$ (4) $\frac{1}{90}$
(8) $\frac{4}{11}$	(7) $3\frac{1}{4}$ (8) $3\frac{3}{20}$ (9) $1\frac{3}{20}$ (10) $1\frac{3}{20}$	(5) 56	(5) $3\frac{23}{24}$
(9) $1\frac{13}{42}$	(10) $1\frac{3}{20}$	(6) 56	(6) $3\frac{23}{24}$
(10) $1\frac{13}{42}$	$(10)$ $10$ $20$ $(11)$ $2^{11}$	$(7)$ $2^2$	$(0) \frac{3}{24}$
(11) $\frac{1}{14}$	(11) $3\frac{11}{21}$	(7) $2\frac{2}{9}$	(6) $3\frac{23}{24}$ (7) $3\frac{1}{3}$ (8) $\frac{2}{99}$
(12) $\frac{1}{14}$	(12) $3\frac{11}{21}$	(8) $3\frac{5}{8}$ (9) $5\frac{2}{3}$	(8) $\frac{2}{99}$
	Day 4	(9) $5\frac{2}{3}$	(9) $1\frac{1}{3}$
<b>Day 3</b> (1) $2\frac{13}{15}$		(10) $1\frac{5}{12}$	(10) $1\frac{1}{4}$ (11) $1\frac{3}{5}$
(2) $4\frac{9}{14}$	(1) $1\frac{7}{15}$ (2) $\frac{8}{45}$ (3) $\frac{49}{132}$	(11) 4	
(3) 2	(3) $\frac{49}{132}$	(12) 4	(12) $\frac{16}{25}$
(4) $1\frac{5}{7}$	(4) $1\frac{10}{17}$	(12) +	
(5) 230	(4) $1\frac{10}{17}$ (5) $\frac{7}{16}$		
(6) 230	(6) $1\frac{5}{8}$		
(7) $1\frac{1}{2}$	(6) $1\frac{5}{8}$ (7) $1\frac{1}{15}$ (8) $\frac{5}{18}$		
(7) $1\frac{1}{2}$ (8) $5\frac{5}{12}$	(8) $\frac{5}{18}$		
(9) 1	(9) $3\frac{23}{36}$		
·· / =		•	

	UNIT 5	Day 5	
		(1)	$5\frac{4}{5}$
Day 1	Day 2		, 17
(1)	$\frac{1}{15}$ (1) $3\frac{1}{15}$	(2)	$1\frac{1}{20}$
(2)	$ \frac{1}{15}  (1)   3\frac{1}{15} \\ \frac{2}{15}  (2)   1\frac{2}{5} $	(3)	$2\frac{1}{2}$
(3)		(4)	$1\frac{1}{3}$
(4)	$ \frac{1}{15} \qquad (1) \qquad 3\frac{1}{15} \\ \frac{2}{15} \qquad (2) \qquad 1\frac{2}{5} \\ 2\frac{1}{6} \qquad (3) \qquad \frac{1}{20} \\ \frac{1}{5} \qquad (4) \qquad 3 \\ (5) \qquad \frac{7}{18} $	(5)	$1\frac{13}{15}$
(5)	$5 (5) \frac{7}{18}$	(6)	$5\frac{4}{5} \\ 1\frac{17}{20} \\ 2\frac{1}{2} \\ 1\frac{1}{3} \\ 1\frac{13}{15} \\ \frac{1}{4} \\ \frac{1}{4} \\ \frac{1}{5} \\ \frac{1}{4} \\ \frac{1}{5} \\ \frac{1}{4} \\ \frac{1}{5} \\ \frac{1}{4} \\ \frac{1}{5} \\ \frac{1}{5} \\ \frac{1}{4} \\ \frac{1}{5} \\ \frac{1}{$
	$\begin{array}{c} 1-\\ 5\\ \underline{5}\\ \underline{5} \end{array} \tag{6} \qquad \begin{array}{c} 9\\ \underline{20}\\ \end{array}$	(7)	
(6)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(8)	$5\frac{8}{15}$ $3\frac{3}{4}$ $2\frac{6}{25}$ $\frac{9}{28}$
(7)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(9)	$\frac{4}{26}$
(8)	$\frac{3}{4}$ (9) $\frac{3}{12}$		25 9
(9)	$\frac{13}{15}$ 10 (10) $1\frac{3}{5}$	(10)	28
(10)	2 5	D (	
		Day 6	. 19
Day 3	Day 4	(1)	$1\frac{19}{30}$
(1)	$\frac{3}{8}$ (1) 1 (2) $3\frac{1}{2}$	(2)	$\frac{7}{30}$
(2)	4 2	(3)	
(2)	$\begin{array}{cccc} \frac{4}{15} & & & & & \\ 6 & & & & & & \\ 6 & & & & & & \\ \end{array} $	(4)	$3\frac{25}{-3}$
(4)	$3\frac{1}{12}$ (4) $4\frac{1}{2}$	(5)	45 $39\frac{1}{39}$
(5)	$8\frac{1}{8}$ (5) $\frac{15}{64}$		<sup>3</sup> 3
(6)	$\frac{3}{5}$ (6) $\frac{5}{28}$	(6)	$\frac{-}{6}$
(7)	$\frac{5}{11}$ (7) 1	(7)	1-4
(8)	$20$ (8) $2\frac{2}{9}$	(8)	$5\frac{5}{10}$
(0)	$\frac{24}{5}$ (9) $4\frac{1}{6}$	(9)	$4\frac{1}{14}$
(9)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(10)	$1\frac{4}{25}$ $3\frac{2}{45}$ $39\frac{1}{3}$ $\frac{1}{6}$ $1\frac{3}{4}$ $5\frac{3}{10}$ $4\frac{1}{14}$ $\frac{7}{20}$
(10)	$2\frac{3}{20}$ 27		_5

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UNIT 6			UNIT 7	
Day 1	Day 2	Day 1	Day 2	
1.       4         2.       4         3.       1         4.       3         5.       2         6.       25         7.       8         8.       16         9.       19         10.       24	1.       12         2.       22         3.       6         4.       19         5.       20         6.       12         7.       27         8.       8         9.       18         10.       19	1. 9t 2. 17a 3. 31g 4. 10c 5. 48w 6. 11p 7. 4q 8. 19f 9. 24r 10. 17k	1. $11a + 3$ 2. $17B + 5$ 3. $18y + 27$ 4. $41A + 68$ 5. $24x + 9$ 6. $56e + 8v$ 7. $47w + 13$ 8. $62t + 46$ 9. $35D + 82$ 10. $11c + 94$	
Day 3	Day 4	Day 3	Day 4	
1.       -2         2.       -4         3.       -8         4.       -3         5.       -2         6.       -1         7.       -5         8.       -1         9.       -4         10.       -4	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	13c 27c 3V 45m 54e 626P 712b 817z 924g 1015w	1. $-33b + 25$ 2. $-15m + 41$ 3. $6 - 10p$ 4. $24w - 31$ 5. $93 - 40v$ 6. $21A - 32$ 7. $-28e - 29$ 8. $-47 - 17c$ 9. $-27a - 83$ 10. $-19 + 68N$	
Day 5	Day 6	Day 5	Day 6	
1.       -15         2.       -21         3.       -30         4.       -9         5.       -21         6.       -18         7.       -16         8.       -18         9.       -16         10.       -48	1. 9 2. 18 3. 12 4. 16 53 64 725 837 937 1044	1. 93 2. 10 3. 3 4. 39 5. 63 6. 5.5 7. 11.5 8. 25 9. 7 10. 8	1. 21g 2. 9A 3. 11w + 14 4. 77 + 51b 56p 616z 742 - 37m 8. 85 - 35a 9. 21 10. 30	

UNIT 8		U	UNIT 9	
Day 1	Day 2	Day 1	Day 2	
1. 3	1. 5	1. 3:7	1. 7b : 16c	
2. 6	2. 0	2. 5:4	2. 15V : 4a	
3. 5	3. 3	3. 8:5	3. 9d : 13m	
4. 8	4. 1	4. 11:3	4. 9e : 17v	
5. 6	5. 29	5. 8:15	5. 8h : 19p	
6. 8	6. 13	6. 20:13	6. 19a : 25w	
7. 4	7. 12	7. 15:32	7. 6p : 13q	
8. 4	8. 11	8. 2:7	8. 21z : 11a	
9. 3	9. 31	9. 16:9	9. 23E : T	
10. 6	10. 55	10.2:3	10. 3n : 2x	
Day 3	Day 4	Day 3	Day 4	
1. 4	1. 7	1. 4:7	1. 6:22:15	
2. 9	2. 12	2. 3:2	2. 12:5:8	
3. 6	3. 76	3. 40:21	3. 5:11:15	
4. 5	4. 7	4. 7:6	4. 12:9:16	
5. 8	5. 4	5. 3:4	5. 3:5:4	
6. 105	6. 1	6. 9:10	6. 3:1:6	
7. 88	7. 69	7. 7:12	7. 13:19:26	
8. 91	8. 28	8. 2:3	8. 12:4:7	
9. 102	9. 17	9. 7:8	9. 16:9:4	
10. 108	10. 82	10.9:14	10.11:20:5	
Day 5	<b>Day 6</b> <ol> <li>4</li> <li>8</li> <li>4</li> <li>39</li> <li>7</li> <li>468</li> <li>13</li> <li>11</li> <li>30C</li> <li>13a</li> </ol>	Day 5	<b>Day 6</b>	
1. 8b		1. 6:9:20	1. 5:8	
2. 3p		2. 40:21:30	2. 16:13	
3. 28c		3. 7:4:6	3. 4w:9p	
4. 9V		4. 6:10:7	4. 23v:9m	
5. 55		5. 15:20:6	5. 2:5	
6. 42		6. 40:30:21	6. 10:9	
7. 32w		7. 21:15:20	7. 4:11:17	
8. 18Y		8. 9:10:8	8. 2:5:4	
9. 9h		9. 6:6:7	9. 8:10:7	
10. 56e		10.20:21:24	10.35:32:20	

UNIT 10	Day 4
Day 1         1. 3:5         2. 7:4         3. 38:49         4. 9:2         5. 12:5         6. 16:75         7. 14:3         8. 13:50         9. 7:100         10. 65:3	<ol> <li>30:42</li> <li>39:33</li> <li>20:52</li> <li>44:28</li> <li>27:45</li> <li>40:32</li> <li>36:36</li> <li>51:21</li> <li>57:15</li> <li>46:26</li> </ol>
10. 05 . 5	Day 5
Day 2 1. 3:2 2. 1:2 3. 5:2 4. 2:5 5. 13:3 6. 25:2 7. 20:3 8. 8:5 9. 48:25 10. 11:4	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
10. 11. 4	Day 6
Day 3 1. 8:11:17 2. 9:15:5 3. 5:4:7 4. 16:11:18 5. 25:15:23 6. 14:6:7 7. 19:7:5 8. 22:15:17 9. 7:15:9 10.1:2:3	<ol> <li>2:3</li> <li>25:2</li> <li>4:5</li> <li>29:20</li> <li>4:3:6</li> <li>18:13:8</li> <li>\$9:\$36</li> <li>\$24:\$21</li> <li>\$66:\$18:\$66</li> <li>\$30:\$75:\$45</li> </ol>

# English ANSWERS

## Term 1

## YEAR 6

## Set 1 Strategy: Recognising Fact and Opinion

1. (a)

- 2. (a) Sensation O
  - (b) Today F
  - (c) Female F
  - (d) Metre F
  - (e) Teenager F
  - (f) Hawaii F
  - (g) Horror O
  - (h) Scored F
  - (i) Good O
  - (j) Luckily O
- 3. Student's own answers

#### Set 2 Novel Extract: The Redback Leftovers

- 1. (a)
- 2. (a)
- 3. (b)
- 4. (b)
- 5. (d)
- 6. (d)
- 7. (b) 8. (d)
- 9. (c)
- 10. (b)

#### Set 3 Cartoons

- 1. (c)
- 2. (b)
- 3. Because it shows dead trees that have been cut down, which insinuates what is about to happen to the last tree in the picture.
- 4. The tree is about to be cut down.
- 5. That trees will be so rare that we will have to attach them to ourselves in order to get our oxygen supply.
- 6. Humans are responsible for recklessly destroying ecosystems and the environment; and for causing the death of so much life i.e. all types of flora and fauna.

#### GRAMMAR

- 1. My sister likes to **eat** chicken more than any other meat.
- 2. I **imagine** that it would be extremely dangerous to **surf** during a thunderstorm.
- 3. Hundreds of people had gathered in the street to **protest** against the government's new laws.
- 4. On rainy days, Natalie likes to **stare** out the window, while listening to soothing music.
- 5. Joanna stood up to **recite** a poem in front of all of the guests.
- 6. During the presentations, Michael began to **wonder** if he would receive a trophy for his efforts
- 7. Rowena wanted to **express** her concern about the new work agreements.
- 8. My friend Vickie likes to **swim** in outdoor pools more than indoor pools, especially when it rains.
- 9. The company director planned to **announce** his resignation at the final executive meeting for the year.
- 10. Martha likes to **jog** every morning before breakfast.

#### PUNCTUATION

At last, it was time for PE with Mr Flower. Carey and Winston stood with the rest of the class doing stretching exercises. Then they did a bit of slow jogging on the spot, before Mr Flower sent them to run around the oval. PE usually started like this, but nobody, not even Carey, could ever estimate what they would do next. Mr Flower was the most unpredictable teacher at the school.

'Maybe he never knows himself what we're going to do next,' suggested Carey, when they were halfway around the oval.

'Maybe,' agreed Winston, between puffs.

#### Set 1 Strategy: Word Meaning in Context

mere	little
endearing	charming
foliage	leaves
pallid	pale
reposeful	calm
comely	attractive
boulder	big rock

#### Set 2 Poetry: The Negro Mother

- 1. (b)
- 2. (d)
- 3. (c)
- 4. (c)
- 5. (b)
- 6. (c)
- 7. (a)
- 8. (b) (d)
- 9. (d) 10. (a)

#### Set 3 Book Review: A Two-way Street

- 1. (c)
- 2. (d)
- 3. (a)
- 4. (b)
- 5. (d)
- 6. (d)
- 7. (b)
- 8. (b)
- Answers will vary. Example: In our society today we have become far too complacent and our eyes are shut off to what is happening around us.
- 10. Answers will vary. Melissa may have found a reason to live in a near death experience.

#### GRAMMAR

- 1. The sky **<u>APPEARED</u>** extremely dark and in no time there was a heavy thunderstorm.
- 2. I **WONDER** if my niece has been to Wonderland before.
- 3. Starting a netball team **SEEMS** like a fantastic idea!
- 4. My enemy **BECAME** my friend after I apologised at the school picnic.
- 5. The teacher **APPEARED/LOOKED** disappointed with the test results.
- 6. Freshly mowed grass SMELLS great!
- The students APPEARED / FELT / SEEMED excited when the new school captains were announced at assembly.
- 8. The residents **REMAIN** cautious even though the flood waters have receded.

#### VOCABULARY

- Pseudonym a fictitious name authors use to conceal their identity Acquired – received.
   Raconteur – a good story teller.
   Irascible – easily angered.
   Transcended – go beyond
- 2. (a) pseudonym (b) acquired
  - (c) raconteur
  - (d) irascible
  - (e) transcended

## UNIT 3

#### Set 1 Strategy : Figurative Language

- 1. (b)
- 2. people like ladders, words like knives It's familiar, like an ancient lullaby
- 3. We are Hosea's wife.

#### Set 2 Explanation

- 1. (c)
- 2. (b)
- 3. (b)
- 4. (b)
- 5. (b)

- 6. (a)
- 7. (c)
- 8. (d)
- 9. Stage Two.
- 10. Eyes flicker back and forth rapidly, legs and facial muscles may twitch, brainwaves speed up, dreams occur, heart rate increases and breathing is rapid and shallow.

#### Set 3 Visual Analysis

- 1. (a)
- 2. (c)
- 3. (b)
- 4. The mood is sad and gloomy.
- 5. As her countenance seems anxious, the economic situation of the people photographed is desperate.
- 6. That the mother is responsible for the children and the economic situation in the society is having a negative impact on the family.

#### GRAMMAR

- 1. He **HAS** not delivered the desired test results.
- 2. The missing bracelet **HAS** never been found.
- 3. **WILL** you **walk** with me to the shops tomorrow?
- 4. They **ARE having** a fantastic time this summer.
- 5. The school board **HAS** recently decided to include the school captain in their discussions about school policy.
- 6. She **COULD** enter the competition this afternoon if it's not too late.
- 7. "I **SHALL/WILL** always be here for you if you need me," vowed the coach.
- 8. Ella and Zach **WILL** probably be the first children to win special peace prizes.

#### PUNCTUATION

Then Carey got a little bit ahead of Winston. He wanted to stay beside him, because they were friends, but he couldn't help running as fast as possible. He finished first and wasn't even puffing. Mr Flower was sitting on the bench at the edge of the oval patting the school dog, Dipper.

'Good on ya, mate,' he said, as Carey ran up to him. 'Now see what you can do with this while we wait for the others to finish.'

#### UNIT 4

#### Set 1 Strategy: Finding the Main Idea

- 1. (d)
- 2. (b)

#### Set 2 Novel Extract: Stella by the Sea

- 1. (a)
- 2. (b)
- 3. (c)
- 4. (b)
- 5. (a) (a)
- 6. (c) 7. (a)
- 7. (a) 8. (b)
- 9. (c)
- 10. Answers will vary

#### Set 3: Novel Extract: Stella by the Sea (2)

- 1. (c)
- 2. (a)
- 3. (b)
- 4. (b)
- 5. (b)  $\epsilon$  (c)
- 6. (c) 7. (d)
- 7. (u) 8. (b)
- 8. (b) 9. (d)
- 10. Mary's answer, niggled away in her mind like an itchy insect bite that was just out of reach.

#### GRAMMAR

I <u>snap</u> the phone shut, run down to the water's edge and <u>throw</u> the mobile in one perfect, curving arc right out into the sea. It <u>glints</u> silver as it breaks the surface with a splash, then **sinks** without trace.

I turn away, furious, marching along the but within minutes I shore, trip, scrambling over a knot of gnarled tree roots, falling heavily. I've torn one of the ribbon ties on my sandal, and a hot, burning pain **shoots** through my left ankle. My eyes **prickle** with tears of anger, but I won't cry. I never cry - not since Dad left, anyhow. It'd be like letting him see how much he hurt me. Crying is for kids. I scream instead, a bloodcurdling yell that startles the birds and shakes the treetops before tailing off a whimper. to I pull off my wedge heels and fling them away into the trees ahead of me, because they **have** ripped my feet to shreds and I don't care if I never see them again as long as I live.

#### VOCABULARY

- 1. progress
- 2. regions
- 3. curbing
- 4. leapfrog
- 5. vulnerability
- 6. concentrations
- 7. resilience
- 8. ratified

#### UNIT 5

Set 1 Strategies: **Recalling Facts and Details** 

- 1. (b)
- 2. (a)
- 3. (c)
- 4. (a)
- 5. (a)
- 6. (b)
- 7. (c)
- 8. (b)

#### Set 2 Map

- 1. (a)
- 2. (c)
- 3. (b)

- 7. (b)
- 8. (b)
- 9. (c)
- 10. (a)

#### Set 3 Poetry: Eliza Crossing the River

- 1. Because she was running away from the trader who wanted to take her child.
- 2. (b)
- 3. (c)
- 4. (b)
- 5. (b)
- 6. (a)
- 7. (a)
- 8. By stepping on blocks of ice.
- 9. Pray
- 10. If you help other people, God will help you.

#### GRAMMAR

- 1. She owns a beautiful cottage in the Blue Mountains, with a spectacular view of The Three Sisters.
- 2. Jeremiah is a professional basketball player, who is also a talented softball player, but he is pitiful at golf.
- 3. Rohan is away for long periods of time and he leaves his wife and family at home, as he often travels around Australia by airplane.
- 4. Chelsi has recently been awarded a citizenship award at PLC, where she and her sister Trinity are school captains.
- 5. Kylie is going on holidays to Hawaii for Christmas because her family lives there and it is also her favourite holiday destination.

#### **PUNCTUATION**

Carey was surprised to be handed a football, but he ran up and down, bouncing and catching it, just like he'd seen them do on telly. Then he thought perhaps he'd kick a goal, seeing as he was near the goalposts. So he held the footy with both hands, and angled it a little towards the ground. He looked at the gap between the posts, then at the ball, took a bit of a run up and kicked. He watched as the ball sailed in a beautiful parabola, straight through the centre of the goalposts. Then he ran to get the ball back to see if he could do it again, but before he had time to kick it he heard Mr Flower's whistle.

'Find a partner,' he yelled, 'and handball to each other, like this . . . no, not like that Derek. That's a flick pass. No openhanders and no throwing the ball.'

#### **UNIT 6**

#### Set 1 Strategies: Understanding Sequence

- 1. (c)
- 2. (c)
- 3. (d)
- 4. (d)

#### Set 2 Novel: Miss Potter

- 1. (b)
- 2. (a)
- 3. (c)
- 4. (b)
- 5. (b)
- 6. (d)
- 7. (c)
- 8. (d)
- 9. (a)
- 10. Students' own answers.

#### Set 3 Newspaper Article

- 1. (c)
- 2. (b)
- 3. (b)
- 4. (d)
- 5. (b)
- 6. (d)
- 7. (b)
- 8. (d)
- 9. (a)
- 10. (a)

#### GRAMMAR

Teacher.

#### VOCABULARY

- 1. **Premier** high status
- 2. **Patronising** looking down upon.
- 3. **Proliferated** increase in number.
- 4. Clash conflict
- 5. **Obsolete** no longer relevant
- 6. **Gratitude** being thankful
- 7. Acute harsh
- 8. Hazard danger

#### UNIT 7

#### Set 1 Strategy: Cause and Effect

- 1) (c)
- 2) (a)
- 3) The fact that more light can come into the lens. The aperture is wider with a smaller f-stop so more light can go though, making the picture brighter.
- 4) It will be out of focus.
- 5) (d)

#### Set 2 Biography: The Library of Nineveh

- 1) Collecting and storing books; making the first library.
- 2) (b)
- 3) Because it would mean he would be remembered through books written about him.
- 4) A scribe's job was to write down all of the events of the king's reign.
- 5) In the ruins of Babylon's old walls.
- 6) They were thick and heavy so they took up a lot of storage space.
- 7) Ashurbanipal desired to be remembered long after his death and the great deeds that he did to be remembered and this came to pass via the library he started.
- 8) (c)

#### Set 3 Poetry: Bellbirds

- 1) (d)
- 2) (c)
- 3) (b)
- 4) Because it has to get past all of the

trees as the flowers are on the ground, a long way down.

- 5) (a)
- 6) (c)
- 7) (b)
- 8) (b)

#### **GRAMMAR** (answers will vary)

- 1) Amanda likes to eat her main meal at lunchtime.
- 2) I have never been to America
- 3) The supermarket closes early on Sundays.
- 4) My sister likes to play netball in the afternoon.
- 5) Ferraris are very expensive cars.

#### VOCABULARY

- 1) (a)
- 2) (d)
- 3) (a)
- 4) (d)
- 5) (c)
- 6) (b)
- 7) (c)
- 8) (c)
- 1) dilapidated.
- 2) antagonise.
- 3) condone
- 4) competent.
- 5) attentive
- 6) insincere
- 7) capitulate.
- 8) insignificant

#### UNIT 8

#### Set 1 Strategy: Comparing and contrasting

- 1) (a)
- 2) Granite is a rock that can contain the mineral quartz.
- 3) (b)
- 4) (c)
- 5) (d)

#### Set 2 Book Review: Anne of Green Gables

- 1) (b)
- 2) (b)
- 3) (d)
- 4) In reviews 1 and 2 Marilla and Mathew are brother and sister (which is true), and in review two she speaks of them as husband and wife.
- 5) (d)
- 6) The second review encourages the reader to read the other books in the series, whereas the last review says not to read past 'Anne of the Island'.
- 7) (b)
- 8) Answers may vary. (Review One's language skills are far superior.)

#### Set 3 Novel Extract: Shooflies

- 1) (c)
- 2) (b)
- 3) (d)
- 4) (c)
- 5) (c)
- 6) (c)
- 7) (b)
- 8) (d)

#### GRAMMAR

- 1) raining
- 2) sleeping
- 3) crying
- 4) exchanging
- 5) working
- 6) cooking

#### PUNCTUATION

'Does Frank's mother know we are coming to look at these puppies?' mum asked, breaking her way into my most anxious thoughts.

Why do mums always worry about other mums knowing whether you are coming round or not? Molly's mum, Mrs Cook, is always happy to see me whenever I turn up as she says, 'It's nice to see you girls playing together,' and she always gives us flapjacks with apricots in, which she knows are my favourite.

I just shrugged and said, 'Frank said to come round.'

Mum sighed and muttered something about getting this over and done with.

#### Set 1 Strategy: Making Predictions

- 1) (c)
- 2) (c)
- 3) (c)
- 4) (a)
- 5) The tortilla wouldn't be cooked properly on one side.

#### Set 2 Poem: 'Said Hanrahan' By John O'Brien

- 1) (a)
- 2) (d)
- 3) (b)
- 4) (a)
- 5) (d)
- 6) (b)
- 7) (d)
- 8) (d)

#### Set 3 Novel: The Princess and the Pirate

- 1) (a)
- 2) (c)
- 3) (b)
- 4) (c)
- 5) (a) (b)
- 6) (b) 7) (a)
- 7) (a) 8) (a)

#### GRAMMAR

- 1. Yesterday the weather was pleasant but today it is very bleak.
- 2. Where <u>are</u> the chocolate biscuits? They <u>were</u> in the cupboard this morning.
- Tonight I <u>am</u> going to stay in because last week I <u>was</u> out every night. Write is/isn't or were/weren't
- 4. My family <u>weren't</u> happy with their seats for the concert so my mum <u>is</u> writing a letter of complaint right now.
- 5. She <u>isn't</u> a very polite girl so they <u>weren't</u> too upset that she didn't come to the party.

6. We <u>were</u> amazed to find out that Kylie Minogue <u>is</u> the new queen of England.

#### VOCABULARY

- 1) (b)
- 2) (c)
- 3) (a)
- 4) (a)
- 5) impetuous
- 6) delectable
- 7) intimidate
- 8) beseech

#### **UNIT 10**

#### Set 1 Strategy: Words in Context

- 1) (b)
- 2) (b)
- 3) (b)
- 4) (c)
- 5) (b)
- 6) (b)

### Set 2 Close Passage: Languages and Literature of North America

- 1) hardly
- 2) Missionaries
- 3) Christians
- 4) translate
- 5) language
- 6) popular
- 7) arguing
- 8) Enslaved
- 9) Norweigian
- 10) though

#### Set 3 Speech: Doris Lessing

- 1) (a)
- 2) (b)
- 3) Because of the terrible conditions at the school.
- 4) (d)
- 5) (c)
- 6) (c)
- 7) (b)
- 8) (c)

#### GRAMMAR

1) (a) 2) (c) 3) (d)

- 4) (b)
- 5) (c)

#### PUNCTUATION

'Would you mind?' said someone behind her.

'What? Oh...sorry.' She let the token fall through the slot. She pushed against the steel bar and into the space of the music. There was another pause between trains, a few bars, a stringed instrument, clearly, but also a tenor voice. Was it a cello that the singer was playing? Surely not. No street musician would cart such a large and unwieldy instrument down into the bowels of the city, onto the trains, among the crowds; but the sound seemed too soft for a violin, too husky, too throaty. She could feel the music graphing itself against her skin, her body calculating the frequencies and intervals of the whole subway symphony: base throb of trains, tenor voice, soft lament of the strings, a pleasing ratio of vibrations. Mathematical perfection made her weak at the knees.

#### **Book Review**

Teacher

#### Year 6 Enriching English

#### **Unit 1 – Self-reflection**

Question	Answer
1	А
2	D
3	В
4	В
5	С

#### Unit 2 – Novel Extract

Question	Answer
1	С
2	А
3	D
4	С
5	В

#### Unit 3 – Interview

Question	Answer
1	В
2	С
3	В
4	D
5	А

#### Unit 4 – Poem

Question	Answer
1	А
2	D
3	С
4	А
5	Α

#### Unit 5 – Play

Question	Answer
1	В
2	D
3	С
4	D
5	Α

#### Unit 6 – Cartoon

Question	Answer
1	В
2	В
3	В
4	D
5	С

#### Unit 7 – Film Review

Question	Answer
1	D
2	С
3	С
4	В
5	D

#### Unit 8 – Comic

Question	Answer
1	С
2	В
3	В
4	С
5	D

#### Unit 9 – Novel Extract

Question	Answer
1	В
2	D
3	А
4	А
5	D

#### Unit 10 – Blog Post

Questio	n Answer
1	D
2	В
3	В
4	D
5	С

# **General Ability**ANSWERS

## Term 1

# YEAR 6

#### WORD LIST

- 1. scrutinise(d)
- 2. pilfer
- 3. surveillance
- 4. detour
- 5. sorcerer
- 6. refurbish
- 7. detrimental
- 8. strident
- 9. longevity
- 10. anguish
- 11. germinate
- 12. gossamer
- 13. ironmonger
- 14. goulash
- 15. receptive
- 16. terracotta
- 17. abdicate(d)
- 18. pretentious
- 19. enigma
- 20. apprehend

#### IDIOMS

- 1) has two left feet
- 2) a needle in a haystack
- 3) a slap in the face
- 4) a heart of gold
- 5) not give a hoot
- 6) forty winks

#### **SYNONYMS**

- 1) cultivate
- 2) comrade
- 3) dry
- 4) pierce
- 5) recommend
- 6) share

#### ANTONYMS

- 1) truth
- 2) promising
- 3) obey
- 4) demolish
- 5) proficient
- 6) condemn

#### MATCH MEANINGS

- c) ellipse
- a) enrage
- e) ruinous
- b) promptly
- d) rupture

#### MATCH THE OCCUPATION

- c) astrologer
- a) vocalist
- e) cobbler
- b) herbalist
- d) matador

#### SIMILES

- 1) maiden
- 2) post
- 3) sphere
- 4) death
- 5) pin

#### EXTENSION

- 1) greenhouse
- 2) atmosphere
- 3) space
- 4) effect
- 5) liveable
- 6) thousand
- 7) constant
- 8) fuels
- 9) emissions
- 10) temperature

#### G.A. test

- 1. B
- 2. C
- 3. D.
- 4. B
- 5. D
- 6. C,  $(11 \times 50c) + (2 \times 20c)$
- 7. C, the rest are vegetables
- 8. C
- 9. A
- 10. lus, tre
- 11. D
- 12. B
- 13. D
- 14. B- "Flying is too stressful for some <u>people</u>."

15. C, $(14 - 3) \ge 2 = 22$
16. C
17. D
18. D
19. A
20. C
21. A
22. B
23. C
24. C
25. C
26. D
27. C
28. C
29. D
30. B

#### WORD LIST

- 1. stupendous
- 2. deflate
- 3. diffuse(d)
- 4. heckle
- 5. festive
- 6. fatigue(d)
- 7. retrieve
- 8. terminus
- 9. barnacle(s)
- 10. intense
- 11. insinuate(d)
- 12. testify
- 13. defensive
- 14. pittance
- 15. emporium
- 16. capacious
- 17. bazaar
- 18. mattock
- 19. opaque
- 20. parachute

#### IDIOMS

- 1. c) restless and agitated
- 2. a) a difficult situation to deal with
- 3. f) there is no danger of being observed or caught
- 4. b) a day when several things go wrong
- 5. d) be quick about it
- 6. e) easily and decisively

#### SYNONYMS

- 1) bent
- 2) disability
- 3) retract
- 4) former
- 5) guiltless
- 6) request

#### ANTONYMS

- d) detain
- e) honest
- b) master
- f) inside
- c) lowest
- a) confinement

#### CONTAINERS

- d) water for washing
- c) pepper, salt, mustard
- a) money, gold, etc.
- e) powder
- b) wine

#### HOMOPHONES

- 1. a) sort
- b) sought
- 2. a) meddle
- b) medal
- 3. a) bowled
- b) bold
- 4. a) whirled
- b) world
- 5. a) phial b) file

#### SIMILES

- 1) bear
- 2) barrel
- 3) flower
- 4) toothpick
- 5) millpond

#### EXTENSION

- 1) shortest
- 2) Sea
- 3) longest
- 4) waterfalls
- 5) mountainous
- 6) floodplain

- 7) protected 8. solitude 8) civilization 9. aviary 9) population 10. thesaurus 10) million 11. Bream 12. voracious G.A. TEST 13. shingle 14. quiver 1. B 15. defiance 2. A 16. weakling 3. C 17. quadruped(s) 4. D 18. benevolent 5. A 19. ablaze 6. A 20. Mayonnaise 7. D 8. D **IDIOMS** 9. D 10. A 11. E 3. acting like an ape 12. C 13. D 4. calculated risk 14. A 15. C,  $(45 - 30) \ge 13 = 195$ 6. cat nap 16. A 17. D **SYNONYMS** 18. B 1. mesmerise 19. C 2. contrive 20. B 3. scandalous 21. C 4. drought 22. D 5. throng 23. C 6. routine 24. A, All African zebras have many black stripes. **ANTONYMS** 25. C 1. c) condemn 26. C 2. f) infinite 27. C 28. D
  - 29. C
  - 30. D

#### WORD LIST

- 1. heinous
- 2. expulsion
- 3. bedridden
- 4. serene
- 5. facade
- 6. textile
- 7. garish

- 1. upset the apple cart
- 2. putting the cart before the horse
- 5. cool as a cucumber

- 3. d) conceited
- 4. e) elderly
- 5. a) outermost
- 6. b) glorious

#### MATCH THE SOUNDS WITH THESE **OBJECTS**

- 1. c) screech
- 2. e) rumbles
- 3. d) reports
- 4. b) crunches
- 5. a) throbs

#### MATCH THE PLACES

- 1. a) arsenal
- 2. d) kindergarten

- 3. e) ginnery
- 4. c) seminary
- 5. b) vault

#### ANIMAL SIMILES

- 1) puppy
- 2) toad
- 3) peacock
- 4) jellyfish
- 5) ox

#### EXTENSION

- 1) quarry
- 2) paleontologist
- 3) trees
- 4) growing
- 5) Europasaurus
- 6) heavier
- 7) cousins
- 8) underwater
- 9) adapt
- 10) excavated

#### G.A. TEST

- 1. D
- 2. B (L 6skips ,E5, Y4, T3, P2, M)
- 3. D
- 4. A
- 5. B
- 6. A
- 7. A
- 8. THORN
- 9. D
- 10. B
- 11. A
- 12. D
- 13. B
- 14. B
- 15. B 16. A
- 10. A 17. C
- 17. C 18. D
- 10. D
- 20. A
- 21. C
- 22. D
- 23. B
- 24. D
- 25. A

- 26. D Their ideas were influenced by the speech.
- 27. B
- 28. B
- 29. A
- 30. B

#### UNIT 4

#### WORD LIST

- 1) dainty
- 2) elegant
- 3) foliage
- 4) artisan(s)
- 5) gymkhana
- 6) pulmonary
- 7) inhale
- 8) twinge
- 9) gamble
- 10) delicacy
- 11) aperture
- 12) macaw
- 13) menagerie
- 14) valour
- 15) encumber
- 16) stimulate(s)
- 17) distraught
- 18) hijack(ed)19) underachiev(ing)
- 20) designate(d)

#### IDIOMS

- 1) c) to get an opportunity or a good deal
- 2) d) successful or profitable
- 3) b) extremely timid; cowardly
- 4) e) tell someone what you're thinking bout
- 5) a) worth what one is paid

#### SYNONYMS

- 1) endure
- 2) compulsory
- 3) duty
- 4) report
- 5) frantic
- 6) extreme

#### ANTONYMS

- 1) d) demand
- 2) e) speechless
- 3) f) permit
- 4) b) disorderly
- 5) a) agitated
- 6) c) reject

#### SIMILES

- 1) air
- 2) cupcake
- 3) worm
- 4) clown
- 5) rain

#### MATCH THE PEOPLE

- 1) c) cannibal
- 2) e) pariah
- 3) a) blackguard
- 4) b) royalist
- 5) d) infidel

#### HOMOPHONES

- 1) further
- 2) bald
- 3) route
- 4) hangar
- 5) pedal

#### EXTENSION

- 1) surges
- 2) destruction
- 3) tectonic
- 4) tsunami
- 5) landslides
- 6) ancient
- 7) meteorite
- 8) airplane
- 9) energy
- 10) force

#### G.A. TEST

- 1. A
- 2. A
- 3. C
- 4. D, it's a prime number
- 5. C
- 6. B, YOGHURT

- 7. D, Polish workers will now be making component parts for **B**oeing.
- 8. C
- 9. B
- 10. D
- 11. C
- 12. A
- 13. D
- 14. C
- 15. B
- 16. A, the rest are extinct
- 17. A
- 18. A
- 19. B
- 20. D
- 21. A, (8 x 9) (5 x 12) = 12 22. B
- 22. Б 23. В
- 24. D
- 25. C
- 26. B
- 27. B, the rest are stone fruit
- 28. B 8×(8+6) = 112
- 29. C 30. B

#### UNIT 5

#### WORD LIST

- 1) ballot
- 2) laborious
- 3) prohibit
- 4) audacious
- 5) plunder(ed)
- 6) wither
- 7) auger
- 8) cardinal
- 9) lonesome
- 10) barely
- 11) grenade(s)
- 12) toupee
- 13) magenta
- 14) courier15) encounter(ed)
- 16) tactile
- 10) tactile 17) brittle
- 18) mulch
- 19) dissuade
- 20) indicate(s)

#### **IDIOMS**

- 1) b) everyone will have his chance or turn
- 2) c) best of a group, the top choice
- 3) d) cash, coins and bills
- 4) e) directly from the person or place where something began
- 5) a) a task that is easily accomplished

#### SYNONYMS

- 1) compassion
- 2) interview
- 3) compile
- 4) contrive
- 5) inert
- 6) trifling

#### ANTONYMS

- 1) c) denounce
- 2) e) impure
- 3) d) sensible
- 4) b) stimulant
- 5) a) disappoint
- 6) f) pollute

#### AUSTRALIAN WORDS

- 1) b) bonkers
- 2) d) grouse
- 3) e) trunks
- 4) a) jumbuck
- 5) c) digger

#### MATCH THE OCCUPATION

- 1) d) auctioneer
- 2) a) chauffeur
- 3) c) executive
- 4) e) removalist
- 5) b) groom

#### SIMILES

- 1) cat
- 2) cherry
- 3) miser
- 4) doornail
- 5) loon

#### **EXTENSION**

- 1) China
- 2) uniting

- 3) originated
- 4) defence
- 5) attack
- 6) completed
- 7) rocks
- 8) enlarged
- 9) orbit
- 10) legend

#### G.A. TEST

- 1. B
- 2. B
- 3. B
- 4. A
- 5. B 6. B
- о. в 7. С
- 8. C
- 9. A
- 10. C
- 11. C
- 12. B
- 12. D 13. D
- 13.D
- 14. C 15. C
- 16. B, PERIOD
- 17. C (add bottom base numbers then subtract top number)
- 18. B
- 19. A
- 20. B
- 21. B
- 22. D
- 23. D
- 24. E "Ben attached the line that was to <u>s</u>ave his life"
- 25. B
- 26. D
- 27. A
- 28. D
- 29. C
- 30. A

#### WORD LIST

- 1) unconscious
- 2) omelette
- 3) utmost
- 4) collate(d)
- 5) mountainous
- 6) squander
- 7) horrendous
- 8) geyser
- 9) sleuth
- 10) oregano
- 11) conservatory
- 12) courgette
- 13) disclose(d)
- 14) antithesis
- 15) replenish
- 16) regale(d)
- 17) surmount(ed)
- 18) truculent
- 19) horticulture
- 20) roulette

#### IDIOMS

- 1. c) to get oneself into an awkward or difficult situation
- 2. f) very distant or remote
- 3. e) to feel disgust or revulsion
- 4. a) everything is functioning properly
- 5. d) make a mistake
- 6. b) very quickly

#### SYNONYMS

- 1) ending
- 2) greedy
- 3) dictator
- 4) fad
- 5) assume
- 6) plain

#### ANTONYMS

- 1. e) conceal
- 2. c) termination
- 3. f) contradict
- 4. d) divide
- 5. a) flourish
- 6. b) clean

#### MATCH THE PLACES

- 1) c) dispensary
- 2) e) brewery
- 3) a) incinerator
- 4) b) eyrie
- 5) d) synagogue

#### MATCH THE MEANING

- 1) c) besiege
- 2) a) congregation
- 3) e) culprit
- 4) b) pugnacious
- 5) d) henceforth

#### SIMILES

- 1) thieves
- 2) dungeon
- 3) dishrag
- 4) steeple
- 5) furnace

#### EXTENSION

- 1) coloured
- 2) insects
- 3) trees
- 4) quetzals
- 5) extinction
- 6) disappearance
- 7) preserve
- 8) ecotourists
- 9) sacred
- 10) priests

#### G.A. TEST

- 1. D
- 2. C
- 3. A
- 4. D
- 5. A
- 6. C
- 7. C
- 8. D
- 9. A, She vented her feelings in a violent <u>outburst</u>.
- 10. C
- 11. A
- 12. C
- 13. A
- 14. B
- 15. C

# 16. B 17. B 18. A 19. B (75÷3)×9 = 225 20. D 21. B 22. C, the rest are played with large teams 23. D 24. A 25. C 26. B 27. C 28. D 29. B

#### 30. B

#### UNIT 7

#### WORD KNOWLEDGE

- 1. surly 21. subterranean
- 2. viper
- 3. engross(ed)
- 4. insatiable
- 5. dislocate(d)
- 6. seminar
- 7. estate
- 8. pinafore
- 9. oppressive
- 10. frank
- 11. ineradicable
- 12. defile(d)
- 13. expend(ed)
- 14. discord
- 15. tremulous
- 16. locomotive
- 17. optimism
- 18. rapt
- 19. consternation
- 20. itinerant

#### IDIOMS

- 1. a stone's throw
- 2. anybody's guess
- 3. gave it a burl
- 4. high and mighty
- 5. breathe fire
- 6. in force

- SYNONYMS
- 1. awaken
- 2. strengthen
- 3. captivate
- 4. breathe out
- 5. oppress
- 6. dishearten

#### ANTONYMS

- 1. d) refreshed
- 2. b) repulsive
- 3. e) complimentary
- 4. f) unstable
- 5. a) notice
- 6. c) austerity

#### MATCH MEANINGS

- 1. d) hybrid
- 2. a) passive
- 3. b) louring
- 4. e) meticulous
- 5. c) strident

#### MATCH THE OCCUPATION

- 1. c) auditor
- 2. e) apiarist
- 3. a) charwoman
- 4. d) curator
- 5. b) joiner

#### **AMERICAN & ENGLISH WORDS**

- 1. d) petrol
- 2. e) frying pan
- 3. a) cattle station
- 4. c) soft drink
- 5. b) railway line

#### SIMILES

- 1. soot
- 2. child
- 3. lightning
- 4. two year old
- 5. glass

#### **EXTENSION - Penicillin**

- 1. antibiotics
- 2. prevent
- 3. barrier

31. inevitable32. detestable

36. ruthless(ly)

37. abhor(red)

38. disposition

40. contemptuous(ly)

29. blasphemy

30. apocalypse

22. perturb(ed)

23. austere

24. erosion

27. finicky

28. vulgar

25. afflict(ed)

26. inflame(d)

- 33. denote
- 34. holocaust
- 35. versatile

39. agile

- 4. treated
- 5. availability
- 6. fungi
- 7. remedy
- 8. infections
- 9. miracle
- 10. penicillin

#### **G.A TEST**

1. c 2. b 3. a 4. d 5. a 6. c 7. d 8. d  $46 = (26-3) \times 2$ 9. b 10. a 11. c 12. b 13. d 14. b My uncle grows grapes on his estate in the country. 15. a (allergy) 16. d 17. c 18. b 19. a 20. a  $(7 - 2) \times 3 = 12 +$ 3 (19 4) × 3 39 = + 6 \_  $(?-3) \times 3 = 31 + 5 \rightarrow ? = 15$ 21. c 22. c 23. c 24. c He was unable to take nourishment for several days. 25. c 26. d 27. b 28. b 29. b 30. b

#### **UNIT 8**

#### WORD KNOWLEDGE

1. accustom 2. complexion 3. pervade(d) 4. scintilla 5. submerge(d) 6. brandish(ed) 7. debris 8. chide(d) 9. proffer(ed) 10. coronet 11. baritone 12. fugitive 13. raucous 14. florid 15. defiant 16. adrift 17. apprehension 18. brawn 19. resolute 20. tallow 21. undulate(d) 22. dogmatic 23. inanimate 24. bravado 25. incredulous(ly) 26. irate 27. grotesque 28. ravine 29. cynic 30. exhort(ed) 31. zenith 32. fumigate(d) 33. pious 34. eclectic 35. fissure(s) 36. preordain(ed) 37. chasm 38. encumber(ed) 39. aberrant 40. cloister

#### **IDIOMS**

- 1. d) punish with loss of status
- 2. b) annoy or irritate someone intensely
- 3. a) be completely finished or ready
- 4. c) a struggle that is bound to end in failure

- 5. f) no special conditions or restrictions apply to an offer
- 6. e) unacceptable or unreasonable

#### **SYNONYMS**

- 1. procedure
- 2. trader
- 3. satisfactory
- 4. dauntless
- 5. refined
- 6. dream

#### ANTONYMS

- 1. e) destruction
- 2. f) constraint
- 3. b) mandatory
- 4. a) inconvenient
- 5. d) common
- 6. c) humble

#### CONTAINERS

- 1. d) tea
- 2. c) books
- 3. a) beer
- 4. b) coal
- 5. e) wine

#### HOMOPHONES

- 1. a) bore
- b) boar
- 2. a) gnawb) nor
- 3. a) paste
- b) paced
- 4. a) sheer b) shear
- 5. a) who's b) whose

#### ODD ONE OUT

- 1. obscure
- 2. aggressive
- 3. careless
- 4. compassionate
- 5. versatile

#### COMPREHENSION

- 1. b)
- 2. c)

#### **MID-TERMS**

- 1. d)
- 2. a)

#### "TRI-" WORDS

- 1. c) trident
- 2. d) trilateral
- 3. e) trilogy
- 4. b) trisect
- 5. a) triplicate

#### SIMILES

- 1. changeable
- 2. plump
- 3. purple
- 4. smooth
- 5. fat

#### **EXTENSION – Einstein**

- 1. theories
- 2. academic
- 3. teenager
- 4. century
- 5. physics
- 6. significance
- 7. emitted
- 8. metals
- 9. Nobel
- 10. moving

#### **UNIT 9**

#### WORD KNOWLEDGE

- 1. exasperate(d)
- 2. indignation
- 3. gait
- 4. exterior
- 5. emigrate(d)
- 6. laboratory
- 7. scrupulous
- 8. taut
- 9. congested
- 10. betroth(ed)
- 11. milieu
- 12. expletive(s)
- 13. forlorn
- 14. spindly

- 15. reprove(d)
- 16. squalid
- 17. surmount
- 18. squall(ed)
- 19. wrath
- 20. intersperse
- 21. writhe(d)
- 22. lacklustre
- 23. atone
- 24. anguish
- 25. fervent(ly)
- 26. outright
- 27. precarious(ly)
- 28. cavernous
- 29. impenetrable
- 30. abreast
- 31. mar(red)
- 32. dulcet
- 33. amicable
- 34. vehement(ly)
- 35. incongruous
- 36. intercede
- 37. contrite
- 38. candelabrum
- 39. ingenious
- 40. inscrutable

#### **IDIOMS**

- 1. like a monkey on a stick
- 2. boots and all
- 3. clear as day
- 4. do a runner
- 5. in the same vein
- 6. have what it takes

#### SYNONYMS

- 1. suggestion
- 2. sulk
- 3. offend
- 4. essential
- 5. melancholy
- 6. companion

#### ANTONYMS

- 1. f) former
- 2. b) acquit
- 3. d) sullen
- 4. c) appropriate
- 5. e) separate
- 6. a) restore

#### MATCH THE SOUNDS

- 1. c) gibbers
- 2. d) skirl
- 3. a) bays
- 4. e) clang
- 5. b) blares

#### MATCH THE PLACES

- 1. a) incinerator
- 2. d) archives
- 3. e) gymnasium
- 4. c) quay
- 5. b) parsonage

#### ANALOGIES

- 1. mope
- 2. thwart
- 3. soul
- 4. cat
- 5. dampen

#### DEFINITIONS

- 1. generous and forgiving
- 2. make or become lower in value
- 3. a very steep place such as the face of a cliff

#### **COMPREHENSION**

- 1. c)
- 2. d)

#### FREQUENTLY MISSPELT WORDS

- 1. unconscious
- 2. grateful
- 3. mischievous
- 4. recommend
- 5. accommodation

#### ANIMAL SIMILES

- 1. ant
- 2. chicken
- 3. mule
- 4. gorilla
- 5. cat

#### **EXTENSION – The ceiling of the Sistine** Chapel

1. Michelangelo

- 2. golden
- 3. masterpieces
- 4. Apostles
- 5. Genesis
- 6. four
- 7. revealed
- 8. astounding
- 9. deteriorated
- 10. permanently

#### WORD KNOWLEDGE

- 1. malleable
- 2. cascade(d)
- 3. privy
- 4. morose
- 5. desist
- 6. callous(ly)
- 7. concoct(ing)
- 8. emaciated
- 9. nimble
- 10. pauper
- 11. sporadic
- 12. deprivation
- 13. canker
- 14. escapade
- 15. preposterous
- 16. uncouth
- 17. treacle
- 18. proprietor
- 19. sullen
- 20. contraption
- 21. coerce(d)
- 22. poignant
- 23. reverie
- 24. fiasco
- 25. paraphernalia
- 26. copious
- 27. alcove
- 28. quell(ed)
- 29. infallible
- 30. informant
- 31. revulsion
- 32. disquiet
- 33. fathom
- 34. docile
- 35. gallantry

- 36. inexplicable
- 37. annotate(d)
- 38. complacent
- 39. interject(ions)
- 40. rotund

#### IDIOMS

- 1. c) go wrong
- 2. e) achieve the acquired result
- 3. a) make any mistake in performing an action
- 4. b) it is often wise to say nothing
- 5. d) be well informed

#### SYNONYMS

- 1. cistern
- 2. penetrate
- 3. flawless
- 4. indefinite
- 5. outrageous
- 6. elaborate

#### ANTONYMS

- 1. d) unhealthy
- 2. f) protect
- 3. b) generous
- 4. c) honest
- 5. a) recede
- 6. e) safe

#### MATCH THE PEOPLE

- 1. d) philanthropist
- 2. a) martinet
- 3. e) spendthrift
- 4. b) impostor
- 5. c) scapegoat

#### HOMOPHONES

- 1. bough
- 2. break
- 3. moan
- 4. chord
- 5. sleight

#### "MONO -" WORDS

- 1. d) monolith
- 2. a) monarch
- 3. e) monoplane
- 4. c) monopolise

#### 5. b) monologue

#### **ODD ONE OUT**

- 1. treachery
- 2. submissive
- 3. agitate
- 4. hurry
- 5. lenient
- 6. ferocious
- 7. hauteur
- 8. somebody
- 9. ordinary

#### ANALOGIES

- 1. ruin
- 2. secular
- 3. spice
- 4. robust
- 5. wrist
- 6. absorb
- 7. ship
- 8. teach
- 9. needles

#### SIMILES

- 1. cold
- 2. fresh
- 3. flat
- 4. devoted
- 5. dull

#### **EXTENSION – Terracotta Army**

- 1. terracotta
- 2. buried
- 3. empire
- 4. mausoleum
- 5. craftsmen
- 6. unopened
- 7. exposure
- 8. remains
- 9. riches
- 10. massive