Name	
Form	
Teacher	

Maths

Homework Booklet

Year 7 Autumn 1

Set 4,5

Topic	Score achieved	Sparx %
1. Sparx	-	%
2. Sparx	-	%
3. Substitution	/8	%
4. Solving one step equations	/8	%
5. Collecting Like Terms	/8	%
6. Continuing a Sequence	/8	%
7. Describing a term to term rule	/10	%

If $x = 4$ work out the value of

1) $x + 3$

2) $2x$

3) $4x - 5$

4) $10 - x$

5) $20 - 4x$

6) x^2

7) $3x^2$

8) $2x^2 + 3x$

Sparx – Homework Answers

1) $\quad$ x + 2 = 7

2) $\quad$ x − 3 = 9

3) $\quad$ 4 + x = 10

4) $\quad$ 15 −x = 10

5) $\quad$ 3x = 15

6) $\quad$ $\dfrac{x}{3} = 6$

7) $\quad$ $\dfrac{x}{6} = 3$

8) $\quad$ x − 3 = -1

Sparx – Homework Answers

1) $a + a + a$

2) $b + b + b + b$

3) $c + c + c - c$

4) $d + d - d + d$

5) $a + a - a - a + a$

6) $b - b + b - b + b$

7) $c - c + c + c + c - c$

8) $d - d - d - d + d + d$

Sparx – Homework Answers

1) 19, 16, ? , ? , 7,….

2) ? , 21, 16, ? , 6,….

3) 7, 9, ? , ? , 15,….

4) ? , 21, 23, ? , 27,….

5) 21, 30, ? , ? , 57,….

6) ? , 29, 27, ? , 23,….

7) ? , 26, 31, ? , 41,….

8) 27, 24, ? , ? , 15,….

Sparx – Homework Answers

Describe the term to term rule

1, 2, 4, 8,   11, 17, 23, 29,

7, 15, 23, 31,   19, 17, 15, 13,

50, 43, 36, 29,   3, 7, 11, 15,

10, 40, 70, 100,   400, 200, 100, 50,

1000, 900, 800, 700,   10, 60, 110, 160,

Sparx – Homework Answers