Name	
Form	
Teacher	

Maths
Homework Booklet
Year 7 Spring 2
Set P,1,2,3

Topic	Score achieved	Sparx %
1. Solving one step equations	/26	%
2. Solving two step equations	/18	%
3. Directed number	/26	%
4. Adding fractions	/16	%
5. Adding mixed numbers	/12	%
6. Mixed revision	/20	%

(a) $w + 5 = 7$

(b) $c + 2 = 10$

(c) $a - 1 = 6$

(d) $x - 4 = 5$

(e) $x + 4 = 13$

(f) $3w = 12$

(g) $2x = 18$

(h) $\dfrac{w}{2} = 6$

(i) $\dfrac{x}{4} = 7$

(j) $5y = 30$

(k) $x + 10 = 40$

(l) $2x = 34$

(m) $x - 9 = 7$

(n) $\dfrac{m}{6} = 8$

(o) $w - 15 = 35$

(p) $\dfrac{x}{10} = 5$

(q) $11y = 55$

(r) $2x = 11$

(s) $b + 6 = 4$

(t) $\dfrac{x}{3} = 1.5$

(u) $4y = 10$

(v) $10g = 37$

(w) $a - 7 = -3$

(x) $v + 2 = -6$

(y) $\dfrac{w}{4} = 2.7$

(z) $5y = 24$

Sparx – Homework Answers

(a) $2x + 3 = 9$

(b) $3w - 1 = 14$

(c) $7y + 2 = 30$

(d) $5x + 20 = 35$

(e) $6c - 12 = 48$

(f) $8m - 4 = 20$

(g) $7w + 13 = 90$

(h) $12p - 18 = 30$

(i) $9w - 5 = 67$

(j) $10a + 40 = 100$

(k) $9x - 24 = 84$

(l) $7w + 1 = 1$

(m) $6x - 19 = 5$

(n) $3w + 4 = 43$

(o) $\dfrac{x}{3} + 1 = 5$

(p) $\dfrac{c}{2} - 4 = 6$

(q) $\dfrac{x}{10} + 3 = 9$

(r) $\dfrac{n}{9} - 8 = 1$

Sparx – Homework Answers

Week 3

(a) 11 – 15

(b) –9 + 5

(c) –4 – 8

(d) –4 + –3

(e) –9 – +4

(f) 10 – –3

(g) 7 – 20

(h) –2 – –5

(i) 12 + –7

(j) –4 – –1

(k) –9 + –8

(l) 8 – 13

(m) 6 – –11

(n) –7 – +7

(o) –6 – 5

(p) –20 + –3

(q) –9 – –15

(r) –8 + 25

(s) 31 – 50

(t) –30 – –16

(u) –41 – 14

(v) – 5 – +23

(w) –16 + –15

(x) 40 – –40

(y) –18 – –27

(z) –52 + 90

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Week 4

(a) $\dfrac{2}{5} + \dfrac{1}{2}$

(b) $\dfrac{2}{7} + \dfrac{1}{2}$

(c) $\dfrac{1}{3} + \dfrac{1}{2}$

(d) $\dfrac{4}{5} - \dfrac{2}{3}$

(e) $\dfrac{8}{9} - \dfrac{1}{3}$

(f) $\dfrac{2}{3} + \dfrac{1}{6}$

(g) $\dfrac{3}{10} + \dfrac{2}{5}$

(h) $\dfrac{3}{8} + \dfrac{1}{4}$

(i) $\dfrac{7}{15} - \dfrac{1}{5}$

(j) $\dfrac{3}{4} - \dfrac{2}{5}$

(k) $\dfrac{3}{10} + \dfrac{3}{8}$

(l) $\dfrac{2}{5} + \dfrac{4}{7}$

(m) $\dfrac{11}{15} - \dfrac{1}{6}$

(n) $\dfrac{5}{11} + \dfrac{1}{4}$

(o) $\dfrac{3}{14} + \dfrac{1}{3}$

(p) $\dfrac{11}{13} - \dfrac{1}{2}$

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Week 5

(a) $1\frac{1}{2} + \frac{2}{3}$

(b) $\frac{7}{9} + 1\frac{1}{3}$

(c) $1\frac{3}{5} - \frac{3}{4}$

(d) $1\frac{5}{8} - 1\frac{1}{4}$

(e) $2\frac{1}{2} + 1\frac{1}{3}$

(f) $2\frac{2}{9} - 1\frac{1}{3}$

(g) $2\frac{2}{9} + \frac{5}{6}$

(h) $1\frac{5}{12} + 1\frac{5}{8}$

(i) $3\frac{1}{10} + 2\frac{2}{3}$

(j) $1\frac{8}{9} - \frac{4}{7}$

(k) $3\frac{2}{3} - 1\frac{11}{20}$

(l) $4\frac{8}{15} + 3\frac{1}{3}$

Sparx – Homework Answers

Week 6

1 Work out $7000 + 50 + 1 + 0.02$

2 Work out $80000 + 50 + 7 + 0.9$

3 Calculate 64×21

4 Calculate 84×66

5 Simplify $3x + x - 3x + 5x$

6 Simplify $5a - 3a + 3a + 3a$

7 If $y = 15 - x$ work out the value of y when $x = 2$

8 If $y = \frac{x}{10}$ work out the value of y when $x = 110$

9 Round 597 correct to 1 significant figure

10 Round 3807 correct to 1 significant figure

11 Solve $x + 9 = 16$

12 Solve $9x = 90$

13 Find the missing numbers $29, 24, \_\_, 14, \_\_, 4$

14 Find the missing numbers $\_\_, 52, 41, \_\_, 19, 8$

15 Expand $7(3x - 5)$

16 Expand $6(5x + 3)$

17 Complete : 10 litres = _____ ml

18 Complete : 3 m = _____ cm

19 What is the **3rd** cube number?

20 What is the **2nd** square number?

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