

Name	
Form	
Teacher	

Maths

Homework Booklet

Year 7 Spring 2

Set 4,5

Topic	Score achieved	Sparx %
1. Solving one-step equations	/12	%
2. Solving two-step equations	/9	%
3. Directed number	/12	%
4. Adding and subtracting fractions	/16	%
5. Adding and subtracting decimals	/18	%
6. Mixed revision	/10	%



Week 1

(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) $\frac{w}{2} = 6$

(i) $\frac{x}{4} = 7$ (j) $5y = 30$ (k) $x + 10 = 40$ (l) $2x = 34$

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Week 2

(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) $9w - 5 = 67$

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Week 3

(a) $2 - 3$

(b) $3 - 5$

(c) $4 - 9$

(d) $1 - 5$

(e) $5 - 7$

(f) $6 - 7$

(g) $8 - 11$

(h) $2 - 10$

(i) $-2 + 4$

(j) $-3 + 9$

(k) $-7 + 10$

(l) $-6 + 1$

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Week 4

(a) $\frac{1}{5} + \frac{1}{5}$ (b) $\frac{3}{11} + \frac{2}{11}$ (c) $\frac{1}{9} + \frac{7}{9}$ (d) $\frac{3}{7} + \frac{3}{7}$
(e) $\frac{6}{11} + \frac{2}{11}$ (f) $\frac{7}{13} + \frac{4}{13}$ (g) $\frac{3}{5} + \frac{1}{5}$ (h) $\frac{10}{21} + \frac{10}{21}$

(a) $\frac{2}{5} + \frac{1}{2}$ (b) $\frac{2}{7} + \frac{1}{2}$ (c) $\frac{1}{3} + \frac{1}{2}$ (d) $\frac{4}{5} - \frac{2}{3}$
(e) $\frac{8}{9} - \frac{1}{3}$ (f) $\frac{2}{3} + \frac{1}{6}$ (g) $\frac{3}{10} + \frac{2}{5}$ (h) $\frac{3}{8} + \frac{1}{4}$

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Week 5

Question 1: Work out the answers to the following additions

- (a) $4.5 + 2.3$ (b) $8.4 + 1.7$ (c) $0.7 + 0.5$ (d) $2.8 + 10.3$
(e) $13.4 + 28.9$ (f) $206.2 + 72.8$ (g) $6.4 + 15.9$ (h) $0.5 + 0.8 + 0.1$
(i) $9.7 + 1.4 + 1.3$ (j) $16.8 + 3.9 + 102.2 + 87.4$

Question 2: Work out the answers to the following subtractions

- (a) $7.7 - 1.5$ (b) $8.5 - 4.1$ (c) $19.7 - 18.6$ (d) $26.2 - 5.2$
(e) $54.5 - 23.1$ (f) $80.4 - 10.3$ (g) $16.6 - 9.2$ (h) $85.7 - 50.4$

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Week 6

- 1 Work out $24000 \div 600$
- 2 Expand and simplify $3(2a + b) + 2(3a - b)$
- 3 What is the square root of 64?
- 4 Solve $5x - 3 = 22$
- 5 Round 5.498 correct to 1 decimal place
- 6 Estimate 54.3×3.55
- 7 If $x = 3$ what is the value of $4x + 2$
- 8 How many edges are there on a cuboid?
- 9 Simplify the ratio 14 days : 4 weeks
- 10 Round 43508 correct to 1 significant figure

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