Name	
Form	
Teacher	

Maths

Homework Booklet

Year 7 Autumn 2

Set 4,5

Topic	Score achieved	Sparx %
1. Place value	/8	%
2. Order integers	/4	%
3. Compare numbers using < >	/8	%
4. Decimals to fractions	/12	%
5. Revision	/10	%
6. Percentages, decimals and fractions	/16	%

Week 1

Write down the value of the underlined digit
in each of the numbers below:

(a) 5<u>4</u>8

(b) <u>9</u>02

(c) 62<u>3</u>

(d) <u>3</u>841

(e) 87<u>9</u>02

(f) <u>4</u>8213

(g) 3<u>9</u>154

(h) 241<u>0</u>3

Sparx – Homework Answers

Arrange in order from smallest to largest

(a) 8, 5, 9, 10, 2

(b) 11, 20, 9, 15, 14, 3

(c) 40, 60, 20, 30, 90, 10

(d) 83, 18, 45, 37, 90, 21

Sparx – Homework Answers

Write out the following with either an < or > symbol

(a) 8 ☐ 6

(b) 2 ☐ 3

(c) 7 ☐ 10

(d) 5 ☐ 0

(e) 4 ☐ −1

(f) −4 ☐ 6

(g) 9 ☐ 9.4

(h) 0 ☐ −1

Sparx – Homework Answers

Week 4

Question 1: Convert the following decimals to fractions, in their simplest forms

(a) 0.5

(b) 0.3

(c) 0.7

(d) 0.1

(e) 0.8

(f) 0.2

(g) 0.9

(h) 0.6

(i) 0.13

(j) 0.22

(k) 0.31

(l) 0.12

Sparx – Homework Answers

1 Find the input: $? \rightarrow \boxed{\div 6} \rightarrow \boxed{-10} \rightarrow -5$

2 Find the missing numbers

$33, 29, \underline{\quad}, 21, \underline{\quad}, 13$

3 What is 10000 more than 374463 ?

4 Simplify $8 \div x$

5 Find the next 2 terms $30000, 3000, 300$

6 Find the input: $? \rightarrow \boxed{\times 9} \rightarrow \boxed{+4} \rightarrow 13$

7 Simplify $4x + 5x - 3x$

8 Find the value of $x - 6$, when $x = 3$

9 Calculate 35×875

10 Solve $x - 4 = 6$

Sparx – Homework Answers

Question 1: Convert each of the following percentages to decimals

(a) 53%   (b) 19%   (c) 25%   (d) 74%

(e) 65%   (f) 50%   (g) 70%   (h) 10%

Question 1: Convert the following fractions into percentages.

(a) $\dfrac{9}{50}$ (b) $\dfrac{3}{10}$ (c) $\dfrac{4}{5}$ (d) $\dfrac{12}{25}$

(e) $\dfrac{3}{4}$ (f) $\dfrac{9}{10}$ (g) $\dfrac{36}{50}$ (h) $\dfrac{13}{20}$

Sparx – Homework Answers