Name	
Form	
Teacher	

Maths

Homework Booklet

Year 8 Autumn 1

Set 4,5

Topic	Score achieved	Sparx %
1. Sparx	-	%
2. Sparx	-	%
3. Simplifying Ratio	/8	%
4. Sharing an amount by a ratio	/8	%
5. Direct proportion	/6	%
6. Multiplying Fractions	/6	%
7. Dividing Fractions	/6	%

Simplify

1)   4 : 12

2)   3 : 12

3)   2 : 16

4)   20 : 4

5)   6 : 36

6)   5 : 30

7)   8 : 40

8)   9 : 54

Sparx – Homework Answers

Divide

1) £20 in the ratio 1 : 3

2) £42 in the ratio 2 : 5

3) £36 in the ratio 4 : 5

4) £108 in the ratio 7 : 5

5) 450 g in the ratio 2 : 13

6) 2 kg in the ratio 3 : 5

7) £16.80 in the ratio 2 : 1

8) 2.5 m in the ratio 3 : 2

Sparx – Homework Answers

Using Exchange Rates

£1 = $1.50 USA   £1 = €1.40   £1=$2.10 AUS

1) Change $84 AUS into GBP(£)

2) Change £400 into USA ($)

3) Change $75 USA into GBP(£)

4) Change $42 AUS into GBP(£)

5) Change £20 into AUS ($)

6) Change £60 into Euros (€)

Sparx – Homework Answers

1) $\quad 2 \times \dfrac{1}{3}$

2 $\quad 5 \times \dfrac{1}{6}$

3) $\quad 2 \times \dfrac{2}{5}$

4) $\quad 3 \times \dfrac{2}{11}$

5) $\quad 3 \times \dfrac{1}{8}$

6) $\quad 4 \times \dfrac{2}{9}$

Sparx – Homework Answers

1) $\dfrac{1}{3} \div 2$

2 $\dfrac{1}{6} \div 2$

3) $\dfrac{2}{5} \div 3$

4) $\dfrac{2}{7} \div 4$

5) $\dfrac{1}{8} \div 2$

6) $\dfrac{2}{9} \div 4$

Sparx – Homework Answers