

Name	HT4	Sheet 5	Class	Score
				/44

Section A

Division

1) $95 \div 5 =$ _____

2) $50 \div 10 =$ _____

3) $72 \div 8 =$ _____

4) $130 \div 2 =$ _____

5) $104 \div 4 =$ _____

6) $63 \div 3 =$ _____

7) $200 \div 200 =$ _____

8) $3 \div 8 =$ _____

9) $261 \div 3 =$ _____

10) $261 \div 4 =$ _____

Section C

Ratio

Simplify:

1) 8:6 _____

2) 6:8 _____

3) 9:15:30 _____

4) 15:15:15 _____

5) 9:3:9:3 _____

Share:

1) £120 in the ratio 3:5 _____

2) £130 in the ratio 10:3 _____

3) £140 in the ratio 3:4 _____

4) \$150 in the ratio 5:10:15 _____

5) 160m in the ratio 1:2:1 _____

Section B

Algebra

Solve:

1) $9x = 108$ $x =$ _____

2) $4x + 1 = 37$ $x =$ _____

3) $4x - 5 = 39$ $x =$ _____

4) $8x + 12 = 92$ $x =$ _____

Factorise:

1) $6x + 7$ _____

2) $3x + 9$ _____

3) $3xz + 9yz$ _____

4) $6x^2 + 6z$ _____

Expand:

1) $12(x - 12)$ _____

2) $4(3x + 10)$ _____

3) $6x(2x - 5)$ _____

4) $5x(3z - 2x)$ _____

Section D

Percentage increase/ decrease

Find:

1) 20% of 80 _____

2) 25% of 80 _____

3) 41% of 80 _____

4) 91% of 80 _____

Increase:

1) £46 by 10% _____

2) \$40 by 15% _____

3) 22m by 3% _____

4) 100m by 85% _____

Decrease:

1) £40 by 30% _____

2) \$50 by 15% _____

3) 60m by 65% _____

4) 70m by 70% _____