

Name	HT4	Sheet 1	Class	Score
				/44

Section A

Division

1) $10 \div 5 =$ _____

2) $9 \div 3 =$ _____

3) $15 \div 3 =$ _____

4) $81 \div 9 =$ _____

5) $35 \div 7 =$ _____

6) $81 \div 3 =$ _____

7) $200 \div 5 =$ _____

8) $140 \div 7 =$ _____

9) $50 \div 8 =$ _____

10) $30 \div 4 =$ _____

Section C

Ratio

Simplify:

1) 30:40 _____

2) 25:65 _____

3) 10:15:25 _____

4) 7:49:21 _____

5) 40:38 _____

Share:

1) £40 in the ratio 1:3 _____

2) £35 in the ratio 3:4 _____

3) £90 in the ratio 2:7 _____

4) \$81 in the ratio 5:4 _____

5) 56m in the ratio 1:1:2 _____

Section B

Algebra

Solve:

1) $2x = 20$ $x =$ _____

2) $2x + 5 = 25$ $x =$ _____

3) $2x - 5 = 15$ $x =$ _____

4) $4x + 10 = 50$ $x =$ _____

Factorise:

1) $3x + 6$ _____

2) $5x + 15$ _____

3) $9x - 6$ _____

4) $12x^2 - 6x$ _____

Expand:

1) $3(x + 4)$ _____

2) $5(x - 3)$ _____

3) $4(3x - 4)$ _____

4) $5x(2x + 2)$ _____

Section D

Percentage increase/ decrease

Find:

1) 20% of 300 _____

2) 15% of 300 _____

3) 21% of 300 _____

4) 88% of 300 _____

Increase:

1) £60 by 20% _____

2) \$70 by 15% _____

3) 45m by 60% _____

4) 12cm by 300% _____

Decrease:

1) £90 by 10% _____

2) \$120 by 15% _____

3) 80m by 70% _____

4) 20cm by 11% _____