

Name	HT4	Sheet 3	Class	Score
				/44

Section A

Division

1) $22 \div 2 =$ _____

2) $36 \div 3 =$ _____

3) $45 \div 9 =$ _____

4) $84 \div 2 =$ _____

5) $84 \div 4 =$ _____

6) $84 \div 12 =$ _____

7) $360 \div 20 =$ _____

8) $30 \div 40 =$ _____

9) $36 \div 5 =$ _____

10) $3 \div 8 =$ _____

Section C

Ratio

Simplify:

1) 4:17 _____

2) 7:28 _____

3) 5:15:60 _____

4) 9:9:3:6 _____

5) 8:15:1 _____

Share:

1) £84 in the ratio 1:5 _____

2) £66 in the ratio 5:6 _____

3) £18 in the ratio 1:2 _____

4) \$40 in the ratio 13:4:3 _____

5) 56m in the ratio 1:1:6 _____

Section B

Algebra

Solve:

1) $12x = 48$ $x =$ _____

2) $5x + 14 = 24$ $x =$ _____

3) $7x - 11 = 10$ $x =$ _____

4) $3x + 4 = -2$ $x =$ _____

Factorise:

1) $12x + 34$ _____

2) $15x - 5y$ _____

3) $4ar - 12ra$ _____

4) $26x^2 - 6y$ _____

Expand:

1) $18(a + c)$ _____

2) $3x(2x + 1)$ _____

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

4) $12ab(ab + bc)$ _____

Section D

Percentage increase/ decrease

Find:

1) 20% of 600 _____

2) 15% of 600 _____

3) 33% of 600 _____

4) 98% of 600 _____

Increase:

1) £22 by 40% _____

2) \$60 by 35% _____

3) 16m by 9% _____

4) 80m by 95% _____

Decrease:

1) £60 by 20% _____

2) \$50 by 15% _____

3) 18m by 65% _____

4) 18cm by 95% _____