

Name	HT4	Sheet 7	Class	Score
				/44

Section A

Division

1) $27 \div 3 =$ _____

2) $64 \div 8 =$ _____

3) $54 \div 6 =$ _____

4) $121 \div 11 =$ _____

5) $132 \div 12 =$ _____

6) $132 \div 6 =$ _____

7) $90 \div 45 =$ _____

8) $5 \div 8 =$ _____

9) $256 \div 8 =$ _____

10) $256 \div 5 =$ _____

Section C

Ratio

Simplify:

1) 21:28 _____

2) 6:30 _____

3) 9:3:45 _____

4) 12:36:6 _____

5) 8:2:8:4 _____

Share:

1) £50 in the ratio 7:3 _____

2) \$50 in the ratio 3:2 _____

3) £120 in the ratio 1:5 _____

4) \$48 in the ratio 1:10:1 _____

5) 20m in the ratio 3:1 _____

Section B

Algebra

Solve:

1) $3x = 12$ $x =$ _____

2) $4x + 5 = 29$ $x =$ _____

3) $6x - 9 = 3$ $x =$ _____

4) $6x + 15 = 18$ $x =$ _____

Factorise:

1) $3x + 30$ _____

2) $4x + 4z$ _____

3) $8x - 4xc$ _____

4) $16x^2 + 8z$ _____

Expand:

1) $4(x + 8)$ _____

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

3) $4x(5x + 4v)$ _____

4) $20v(20v - 20c)$ _____

Section D

Percentage increase/ decrease

Find:

1) 10% of 150 _____

2) 15% of 150 _____

3) 6% of 150 _____

4) 99% of 150 _____

Increase:

1) £320 by 10% _____

2) \$320 by 15% _____

3) 320m by 6% _____

4) 32m by 91% _____

Decrease:

1) £320 by 30% _____

2) \$320 by 15% _____

3) 320m by 65% _____

4) 32m by 70% _____