

Name	HT4	Sheet 2	Class	Score /44
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Section A

Division

1) $12 \div 3 =$ _____

2) $22 \div 2 =$ _____

3) $30 \div 5 =$ _____

4) $144 \div 12 =$ _____

5) $144 \div 6 =$ _____

6) $144 \div 4 =$ _____

7) $144 \div 20 =$ _____

8) $20 \div 40 =$ _____

9) $30 \div 7 =$ _____

10) $1 \div 8 =$ _____

Section C

Ratio

Simplify:

1) 60:30 _____

2) 15:28 _____

3) 9:18:3 _____

4) 5:5:5:10 _____

5) 111:222:333 _____

Share:

1) £35 in the ratio 3:4 _____

2) £55 in the ratio 5:6 _____

3) £105 in the ratio 2:3 _____

4) \$72 in the ratio 5:1 _____

5) 18m in the ratio 7:2 _____

Section B

Algebra

Solve:

1) $6x = 90$ $x =$ _____

2) $3x - 6 = 24$ $x =$ _____

3) $4x + 9 = 21$ $x =$ _____

4) $5x - 16 = -6$ $x =$ _____

Factorise:

1) $9x + 27$ _____

2) $5y + 10x$ _____

3) $8ab - 4ac$ _____

4) $16x^2 - 6xy$ _____

Expand:

1) $9(a + b)$ _____

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

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

4) $10ab(xy - 3)$ _____

Section D

Percentage increase/ decrease

Find:

1) 10% of 500 _____

2) 25% of 500 _____

3) 31% of 500 _____

4) 95% of 500 _____

Increase:

1) £45 by 30% _____

2) \$65 by 15% _____

3) 18m by 3% _____

4) 60cm by 105% _____

Decrease:

1) £80 by 10% _____

2) \$110 by 15% _____

3) 55m by 70% _____

4) 18cm by 11% _____