

Name	HT4	Sheet 6	Class	Score
				/44

Section A

Division

1) $21 \div 3 =$ _____

2) $80 \div 5 =$ _____

3) $49 \div 7 =$ _____

4) $144 \div 12 =$ _____

5) $144 \div 6 =$ _____

6) $144 \div 3 =$ _____

7) $150 \div 200 =$ _____

8) $8 \div 10 =$ _____

9) $170 \div 8 =$ _____

10) $170 \div 9 =$ _____

Section C

Ratio

Simplify:

1) 10:5 _____

2) 5:10 _____

3) 8:4:2 _____

4) 8:40:32 _____

5) 1:2:3:4:5:6 _____

Share:

1) £48 in the ratio 2:10 _____

2) £35 in the ratio 3:4 _____

3) £105 in the ratio 1:1:19 _____

4) \$65 in the ratio 3:2 _____

5) 25m in the ratio 1:4 _____

Section B

Algebra

Solve:

1) $5x = 90$ $x =$ _____

2) $3x + 3 = 27$ $x =$ _____

3) $4x + 7 = 11$ $x =$ _____

4) $5x + 4 = -21$ $x =$ _____

Factorise:

1) $4x + 8$ _____

2) $3x + 12$ _____

3) $4cx - 2cxz$ _____

4) $8x^2 + 9xz$ _____

Expand:

1) $5(x + 4)$ _____

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

3) $5x(3x - 7z)$ _____

4) $-2(x + 4c)$ _____

Section D

Percentage increase/ decrease

Find:

1) 10% of 120 _____

2) 35% of 120 _____

3) 8% of 120 _____

4) 96% of 120 _____

Increase:

1) £200 by 10% _____

2) \$120 by 15% _____

3) 30m by 6% _____

4) 42m by 91% _____

Decrease:

1) £50 by 30% _____

2) \$40 by 15% _____

3) 70m by 65% _____

4) 60m by 70% _____