

Name	Block D	Sheet 3	Class	Score
				/44

Section A

Division

1) $102 \div 2 =$ _____

2) $49 \div 7 =$ _____

3) $81 \div 9 =$ _____

4) $150 \div 2 =$ _____

5) $96 \div 4 =$ _____

6) $56 \div 12 =$ _____

7) $102 \div 3 =$ _____

8) $9 \div 10 =$ _____

9) $84 \div 5 =$ _____

10) $92 \div 3 =$ _____

Section C

Ratio

Simplify:

1) 6:6 _____

2) 8:2 _____

3) 7:21:14 _____

4) 7:14:21 _____

5) 8:80:800 _____

Share:

1) £120 in the ratio 1:7 _____

2) £120 in the ratio 3:2 _____

3) £120 in the ratio 1:2 _____

4) \$120 in the ratio 1:2:3 _____

5) 120m in the ratio 1:2:1 _____

Section B

Algebra

Solve:

1) $4x = 48$ $x =$ _____

2) $2x + 3 = 21$ $x =$ _____

3) $5x - 5 = 10$ $x =$ _____

4) $4x + 6 = 8$ $x =$ _____

Factorise:

1) $15x + 3$ _____

2) $15x - 12y$ _____

3) $15ag + 11g$ _____

4) $3x^2 - 6xy$ _____

Expand:

1) $9(x + 4)$ _____

2) $3(4x - 6)$ _____

3) $5x(2x - 8)$ _____

4) $10x(2x + y)$ _____

Section D

Percentage increase/ decrease

Find:

1) 10% of 50 _____

2) 15% of 50 _____

3) 31% of 50 _____

4) 99% of 50 _____

Increase:

1) £36 by 20% _____

2) \$45 by 15% _____

3) 25m by 8% _____

4) 6m by 95% _____

Decrease:

1) £45 by 20% _____

2) \$45 by 15% _____

3) 45m by 65% _____

4) 45m by 95% _____