

RATIOS IN THE FORM N:1

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1.	8:2		4:1	2.	15:3		5:1
3.	22:4		5.5:1	4.	36:6		6:1
5.	27:9		3:1	6.	42:7		6:1
7.	50:5		10:1	8.	33:3		11:1
9.	28:7		4:1	10.	45:9		5:1
11.	60:12		5:1	12.	72:8		9:1
13.	85:17		5:1	14.	96:12		8:1
15.	110:10		11:1	16.	126:14		9:1
17.	144:16		9:1	18.	165:15		11:1
19.	180:20		9:1	20.	198:18		11:1
21.	210:14		15:1	22.	234:13		18:1
23.	255:15		17:1	24.	272:16		17:1
25.	288:18		16:1	26.	306:17		18:1
27.	324:18		18:1	28.	342:19		18:1

29. 360:20

18:1

30. 380:19

20:1

MASTER QUESTIONS



- M1.** A recipe requires 300g flour and 60g sugar. Express the flour to sugar ratio in n:1 form. 5:1
- M2.** A map scale shows 12km represented by 4cm. Express the scale in n:1 form. 3:1
- M3.** A car travels 180 miles using 15 litres of petrol. Express the distance per litre in n:1 form. 12:1
- M4.** A rectangle has length 45cm and width 9cm. Express the length to width ratio in n:1 form. 5:1
- M5.** A mixture contains 250ml water and 50ml concentrate. Express the water to concentrate ratio in n:1 form. 5:1
- M6.** A worker earns £324 for 18 hours work. Express the earnings per hour in n:1 form. 18:1
- M7.** A garden is 24m long and 6m wide. Express the length to width ratio in n:1 form. 4:1
- M8.** A solution has 420g solute dissolved in 35g solvent. Express the solute to solvent ratio in n:1 form. 12:1
- M9.** A company's profit is £576 on sales of £36. Express the profit to sales ratio in n:1 form. 16:1
- M10.** A chemical reaction produces 306g product from 18g reactant. Express the product to reactant ratio in n:1 form. 17:1