

**SMART EXAM RESOURCES**  
**STAGE 9 MATHEMATICS**  
**TOPIC QUESTIONS**  
**TOPIC: RATIO-WORKED SOLUTIONS**  
**SET-1**

**Instructions:**

Express each of the following ratios in the form  $1 : n$ .

**Exercise Questions**

1.  $3 : 12$

2.  $7 : 42$

3.  $4 : 80$

4.  $9 : 27$

5.  $6 : 18$

6.  $11 : 44$

7.  $25 : 500$

8.  $50 : 400$

## WORKED SOLUTION:

### *Solution 1:*

$$3 : 12$$

Divide both terms by 3 →  $1 : 4$

### *Solution 2:*

$$7 : 42$$

Divide both terms by 7 →  $1 : 6$

### *Solution 3:*

$$4 : 80$$

Divide both terms by 4 →  $1 : 20$

### *Solution 4:*

$$9 : 27$$

Divide both terms by 9 →  $1 : 3$

### *Solution 5:*

$$6 : 18$$

Divide both terms by 6 →  $1 : 3$

### *Solution 6:*

$$11 : 44$$

Divide both terms by 11 →  $1 : 4$

### *Solution 7:*

$$25 : 500$$

Divide both terms by 25 →  $1 : 20$

### *Solution 8:*

$$50 : 400$$

Divide both terms by 50 →  $1 : 8$