

**SMART EXAM RESOURCES**  
**STAGE 7 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  $\rightarrow 1 : 4$

**Solution 2:**

$$7 : 42$$

Divide both terms by 7  $\rightarrow 1 : 6$

**Solution 3:**

$$4 : 80$$

Divide both terms by 4  $\rightarrow 1 : 20$

**Solution 4:**

$$9 : 27$$

Divide both terms by 9  $\rightarrow 1 : 3$

**Solution 5:**

$$6 : 18$$

Divide both terms by 6  $\rightarrow 1 : 3$

**Solution 6:**

$$11 : 44$$

Divide both terms by 11  $\rightarrow 1 : 4$

**Solution 7:**

$$25 : 500$$

Divide both terms by 25  $\rightarrow 1 : 20$

**Solution 8:**

$$50 : 400$$

Divide both terms by 50  $\rightarrow 1 : 8$