

## Worksheet 6

### Comparing Numbers

1 Write each ratio in its simplest form.

(a)  $3 : 9 = \square : \square$

(b)  $12 : 15 = \square : \square$

(c)  $20 : 18 = \square : \square$

(d)  $80 : 120 = \square : \square$

(e)  $75 : 255 = \square : \square$

(f)  $144 : 81 = \square : \square$

2 In each of the following groups, circle the ratio that is different from the others.

(a)  $10 : 6$        $12 : 8$        $15 : 9$        $20 : 12$

(b)  $6 : 9$        $12 : 18$        $20 : 30$        $15 : 25$

(c)  $14 : 6$        $28 : 12$        $10 : 4$        $7 : 3$

(d)  $25 : 30$        $28 : 35$        $12 : 15$        $32 : 40$

3 The ratio of one number to another is  $2 : 7$ . The sum of the two numbers is 72. What are the numbers?

4 The ratio of one number to another is  $8 : 5$ . The difference between the two numbers is 18. Find the two numbers.

5 The ratio of one number to another is  $5 : 6$ . One of the numbers is 30. What are the possible values of the other number?