Introduction to factoring with numbers: Worksheet 11.1

Na	me Date	Score
1.	Factor out a common factor of 5 from 55.	
2.	Factor out a common factor of 3 from 63.	
3.	Factor out a common factor of 6 from 36.	
4.	Factor out a common factor of 8 from 48.	
5.	Factor out a common factor of 2 from 54.	
6.	Given a number 24 (i) Factor out a common factor of 2 (ii) Factor out a common factor of 4	
7.	Given a number 48 (i) Factor out a common factor of 4 (ii) Factor out a common factor of 8	
8.	Given a number 66 (i) Factor out a common factor of 2 (ii) Factor out a common factor of 6	
9.	Given a number 84 (i) Factor out a common factor of 2 (ii) Factor out a common factor of 4	

10. Given a number 96

(i) Factor out a common factor of 3(ii) Factor out a common factor of 6



Solutions: Worksheet 11.1

1.
$$5(10 + 1)$$

$$2. \ \ 3(20+1)$$

3.
$$6(5 + 1)$$

4.
$$8(5+1)$$

6. (i)
$$2(10 + 2)$$
 (ii) $4(5 + 1)$

7. (i)
$$4(10 + 2)$$
 (ii) $8(5 + 1)$

8. (i)
$$2(30 + 3)$$
 (ii) $6(10 + 1)$

9. (i)
$$2(40 + 2)$$
 (ii) $4(20 + 1)$

10. (i)
$$3(30 + 2)$$
 (ii) $6(15 + 1)$