

Finding factors and common factors

Section A	List all the factors of:	Find the common factors of:	True or false:
	1. 15	8. 15 and 20	15. 7 is a factor of 12
	2. 12	9. 12 and 9	16. 3 is a common factor of 9 and 15
	3. 20	10. 4 and 6	17. 8 is not a factor of 24
	4. 16	11. 10 and 18	18. 5 is a common factor of 10 and 20
	5. 8	12. 16 and 12	19. 1,2,3 and 4 are all factors of 24
	6. 7	13. 20 and 8	20. 10 has 4 factors
	7. 9	14. 12 and 18	

Section B	Find the common factors of:	Find the highest common factor of:	True or false:
	1. 14 and 21	9. 18 and 24	17. 6 is the highest common factor of 12 and 24
	2. 16 and 48	10. 21 and 35	18. 8 is the highest common factor of 16 and 24
	3. 6 and 27	11. 24 and 32	19. 3 is the highest common factor of 3 and 30
	4. 22 and 33	12. 27 and 45	20. 7 is the highest common factor of 21 and 42
	5. 12 and 28	13. 36 and 60	
	6. 36 and 45	14. 45 and 30	
	7. 32 and 56	15. 16 and 30	
	8. 21 and 42	16. 18 and 30	

Section C	Find the common factors of:	Find the highest common factor of:	True or false:
	1. 54 and 72	10. 45 and 90	19. 13 is a common factor of 26 and 52
	2. 32 and 48	11. 45 and 81	20. 13 is the highest common factor of 26 and 52
	3. 35 and 49	12. 49 and 70	21. The highest common factor of 8 and 12 is the same as the highest common factor of 16 and 20
	4. 36 and 24	13. 64 and 72	22. The highest common factor of two even numbers is always even.
	5. 48 and 60	14. 54 and 27	
	6. 44 and 66	15. 54 and 18	
	7. 56 and 80	16. 35 and 45	
	8. 54 and 66	17. 35 and 49	
	9. 40 and 96	18. 144 and 24	

Finding factors and common factors - ANSWERS

Section A	1.	1,3,5,15	8.	1,5	15.	F
	2.	1,2,3,4,6,12	9.	1,3	16.	T
	3.	1,2,4,5,10,20	10.	1,2	17.	F
	4.	1,2,4,8,16	11.	1,2	18.	T
	5.	1,2,4,8	12.	1,2,4	19.	T
	6.	1,7	13.	1,2,4	20.	T
	7.	1,3,9	14.	1,2,3,6		

Section B	1.	1,7	9.	6	17.	F
	2.	1,2,4,8,16	10.	7	18.	T
	3.	1,3	11.	8	19.	T
	4.	1,11	12.	9	20.	F
	5.	1,2,4	13.	12		
	6.	1,3,9	14.	15		
	7.	1,2,4,8	15.	2		
	8.	1,3,7,21	16.	6		

Section C	1.	1,2,3,6,9,18	10.	45	19.	T
	2.	1,2,4,8,16	11.	9	20.	F
	3.	1,7	12.	7	21.	T
	4.	1,2,3,4,6,12	13.	8	22.	T
	5.	1,2,3,4,6,12	14.	9		
	6.	1,2,11,22	15.	18		
	7.	1,2,4,8	16.	5		
	8.	1,2,3,6	17.	7		
	9.	1,2,4,8	18.	24		