Name

Date

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Number Theory Skill 4 – 7E

Factors

Directions: List all the factors of each product. The first four problems are done for you as examples.

1.	2.	3.	4.
12	18	36	42
1 x 12 = 12 2 x 6 = 12 3 x 4 = 12	1 x 18 = 18 2 x 9 = 18 3 x 6 = 18	$1 \times 36 = 36$ $2 \times 18 = 36$ $3 \times 12 = 36$ $4 \times 9 = 36$ $6 \times 6 = 36$	1 x 42 = 42 2 x 21 = 42 3 x 14 = 42 6 x 7 = 42
The factors are: 1, 2, 3, 4, 6, 12	The factors are: 1, 2, 3, 6, 9, 18	The factors are: 1, 2, 3, 4, 6, 9, 12, 18, 36	The factors are: 1, 2, 3, 6, 7, 14, 21, 42
1.	2.	3.	4.
9	16	28	20
The factors are:	The factors are:	The factors are:	The factors are:
5.	6.	7.	8.
6	10	35	24
The factors are:	The factors are:	The factors are:	The factors are:
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Number Theory Skill 4 – 7E

Factors

List all the factors of each product.

9.	10.	11.	12.
45	11	68	22
		00	
The factors are:	The factors are:	The factors are:	The factors are:

^{13.} 25	^{14.}	^{15.}	16.
	33	100	64
The factors are:	The factors are:	The factors are:	The factors are:

17.	18.	19.	20.
54	21	17	72
-	—	—	
The factors are:	The factors are:	The factors are:	The factors are:

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Answer Key Skill 4 – 7E			
1. 9 1 X 9 = 9 3 X 3 = 9 The factors are: 1,3, 9	2. 16 1 X 16 2 X 8 4 X 4 The factors are: 1, 2, 4, 8, 16	3. 28 1 X 28 2 X 14 4 X 7 The factors are: 1, 2, 4, 7, 14, 28	4. 20 1 X 20 2 X 10 4 X 5 The factors are: 1, 2, 4, 5, 10, 20
5. 6 1 X 6 2 X 3 The factors are: 1, 2, 3, 6	6. 10 1 X 10 2 X 5 The factors are: 1, 2, 5, 10	7. 35 1 X 35 5 X 7 The factors are: 1, 5, 7, 35	8. 24 1 X 24 2 X 12 3 X 8 4 X 6 The factors are: 1, 2, 3, 4, 6, 8, 12, 24
Page 2 9. 45	10. 11	11. 68	12. 22
1 X 45 3 X 15 5 X 9	1 X 11	1 X 68 2 X 34 4 X 17	1 X 22 2 X 11
The factors are: 1, 3, 5, 9, 15, 45	The factors are: 1, 11	The factors are: 1, 2, 4, 17, 34, 68	The factors are: 1, 2, 11, 22
13. 25 1 X 25 5 X 5	14. 33 1 X 33 3 X 11	15. 100 1 X 100 2 X 50 4 X 25 5 X 20 10 X 10	16. 64 1 X 64 2 X 32 4 X 16 8 X 8
The factors are: 1, 5, 25	The factors are: 1, 3, 11, 33	10 X 10 The factors are: 1, 2, 4, 5, 10, 20, 25, 50, 100	The factors are: 1, 2, 4, 8, 16, 32, 64
17. 54	18. 21	19. 17	20. 72 1 X 72
1 X 54 2 X 27 3 X 18 6 X 9	1 X 21 3 X 7	1 X 17	2 X 36 3 X 24 4 X 18 6 X 12 8 X 9
The factors are: 1, 2, 3, 6, 9, 18, 27, 54	The factors are: 1, 3, 7, 21	The factors are: 1, 17 am.com All rights reserved	The factors are: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

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