

# Factor or Not?

## ANSWER SHEET (Students' explanations may differ)

Product	Factor List	Which number does not belong?
12	1, 2, 3, 4, 6, 8, 12	The number <u>8</u> does not belong because <u>it is not a factor of 12 and you cannot multiply any whole number by 8 to get 12</u> .
15	1, 3, 5, 7, 15	The number <u>7</u> does not belong because <u>it is not a factor of 15. You can't divide 15 by 7 and get a whole number</u> .
24	1, 2, 3, 4, 6, 8, 10, 12, 24	The number <u>10</u> does not belong because <u>it is not a factor of 24. Nothing times 10 gives you the product 24</u> .
36	1, 2, 3, 4, 6, 9, 12, 18, 20, 36	The number <u>20</u> does not belong because <u>it is not a factor of 36 and you cannot multiply a number by 20 to get the answer of 36</u> .
45	1, 3, 5, 6, 9, 15, 45	The number <u>6</u> does not belong because <u>6 is not a factor of 45. If I divide 45 by 6, I'll get a remainder which shows that it is not a factor</u> .
28	1, 2, 4, 8, 7, 14, 28	The number <u>8</u> does not belong because <u>it is not a factor of 28. You can't multiply 8 by a whole number to get 28</u> .