Worksheet

04/21/2019

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Problem quickname: 6003

1)

Which of these are prime numbers?

a) 15 is not prime: $15 = 3 \cdot 5$ b) 67 is prime c) 79 is prime
d) 29 is prime e) 51 is not prime: $51 = 3 \cdot 17$ f) 49 is not prime: $49 = 7^2$
g) 61 is prime h) 58 is not prime: $58 = 2 \cdot 29$
i) 87 is not prime: $87 = 3 \cdot 29$ j) 83 is prime

2)

Which of these are prime numbers?

a) 181 is prime b) 83 is prime c) 89 is prime d) 193 is prime
e) 146 is not prime: $146 = 2 \cdot 73$ f) 190 is not prime: $190 = 2 \cdot 5 \cdot 19$
g) 197 is prime h) 113 is prime i) 61 is prime
j) 123 is not prime: $123 = 3 \cdot 41$

3)

Which of these are prime numbers?

a) 150 is not prime: $150 = 2 \cdot 3 \cdot 5^2$ b) 15 is not prime: $15 = 3 \cdot 5$
c) 135 is not prime: $135 = 3^3 \cdot 5$ d) 50 is not prime: $50 = 2 \cdot 5^2$
e) 105 is not prime: $105 = 3 \cdot 5 \cdot 7$ f) 2 is prime
g) 180 is not prime: $180 = 2^2 \cdot 3^2 \cdot 5$ h) 3 is prime
i) 6 is not prime: $6 = 2 \cdot 3$ j) 63 is not prime: $63 = 3^2 \cdot 7$

4)

Which of these are prime numbers?

a) 78 is not prime: $78 = 2 \cdot 3 \cdot 13$ b) 85 is not prime: $85 = 5 \cdot 17$
c) 180 is not prime: $180 = 2^2 \cdot 3^2 \cdot 5$ d) 5 is prime
e) 105 is not prime: $105 = 3 \cdot 5 \cdot 7$ f) 119 is not prime: $119 = 7 \cdot 17$
g) 156 is not prime: $156 = 2^2 \cdot 3 \cdot 13$ h) 170 is not prime: $170 = 2 \cdot 5 \cdot 17$
i) 9 is not prime: $9 = 3^2$ j) 75 is not prime: $75 = 3 \cdot 5^2$

Good Luck!