



# GCSE Maths Takeaway 52 - Product of Prime Factors, HCF & LCM

Name:.....

Date:.....

What is the Highest Common Factor of 16 and 20?

A) 4  
B) 80  
C) 8  
D) 1

**HCF**

Correct Answer: A B C D

Explanation:

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The LCM of 18 and 15 is

(A) 90  
(B) 270  
(C) 360  
(D) 180

Correct Answer: A B C D

Explanation:

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Which numbers should replace the stars in the factor tree?

**A** 4 and 2      **B** 8 and 1  
**C** 4 and 4      **D** 6 and 2

Correct Answer: A B C D

Explanation:

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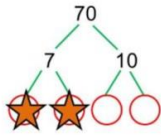
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Which numbers should replace the stars in the factor tree?

- A 3.5 and 3.5
- B 3.5 and 2
- C 7 and 1
- D You don't need any as 7 is a prime number

Correct Answer: A B C D

Explanation:

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a and b are prime numbers.

$40 = a^3b$

What are a and b?

A. a = 8, b = 5	B. a = 5, b = 2
C. a = 2, b = 5	D. a = 8, b = 2

Correct Answer: A B C D

Explanation:

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