

Name _____

Date _____



LEAST COMMON MULTIPLE SHEET 1A

For each problem below, write out the lists of factors to find the LCM.

Remember – you only need to write out as many multiples as the other number.

Example: Find the least common multiple of 10 and 4.

Multiples of 10: 10, 20, 30, 40, ... **Multiples of 4:** 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, ...

The common multiples of 10 and 4 are: 20, 40, ...

The least common multiple (the smallest number occurring in both lists) is 20.

1) Find the least common multiple of 4 and 6.

Multiples of 4: ____, ____, ____, ____, ____, ____ Multiples of 6: ____, ____, ____, ____

Least common multiple is ____.

2) Find the least common multiple of 3 and 5.

Multiples of 3: _____ Multiples of 5: _____

Least common multiple is ____.

3) Find the least common multiple of 7 and 2.

Multiples of 7: _____ Multiples of 2: _____

Least common multiple is ____.

4) Find the least common multiple of 8 and 4.

Multiples of 8: _____ Multiples of 4: _____

Least common multiple is ____.



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LEAST COMMON MULTIPLE SHEET 1A ANSWERS

1) Find the least common multiple of 4 and 6.

Multiples of 4: 4, 8, 12, 16, 20, 24

Multiples of 6: 6, 12, 18, 24

Least common multiple is 12

2) Find the least common multiple of 3 and 5.

Multiples of 3: 3, 6, 9, 12, 15

Multiples of 5: 5, 10, 15

Least common multiple is 15

3) Find the least common multiple of 7 and 2.

Multiples of 7: 7, 14

Multiples of 2: 2, 4, 6, 8, 10, 12, 14

Least common multiple is 14

4) Find the least common multiple of 8 and 4.

Multiples of 8: 8, 16, 24, 32

Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32

Least common multiple is 8

