

REVIEW: Multiples of Whole Numbers

Name _____

Key Concept and Vocabulary

Multiples of 8:

8, 16, 24, 32, **40**, 48, ...

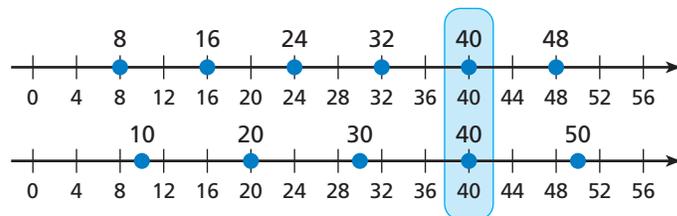
Multiples of 10:

10, 20, 30, **40**, 50, ...

least common multiple



Visual Model



Skill Examples

- The LCM of 4 and 6 is **12**.
- The LCM of 1 and 3 is **3**.
- The LCM of 3 and 5 is **15**.
- The LCM of 12 and 40 is **120**.
- The LCM of 11 and 33 is **33**.

The LCM of two primes is their product.

Application Example

- Find the minimum number of 6-taco packages that will serve 4 people with no tacos left over.

The LCM of 4 and 6 is **12**.

- For 1 package, there will be 6 tacos and 2 will be left over. For 2 packages, there will be **12 tacos**. Each person gets 3.

PRACTICE MAKES PURR-FECT™

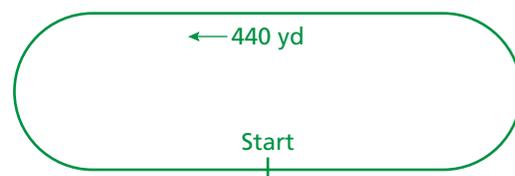


Check your answers at BigIdeasMath.com.

Find the least common multiple of the two whole numbers.

- 3 and 7: _____
- 3 and 6: _____
- 6 and 9: _____
- 9 and 12: _____
- 6 and 21: _____
- 24 and 30: _____
- 24 and 32: _____
- 15 and 40: _____
- 48 and 128: _____

- RUNNING** One trip around a track is 440 yards. One runner can complete one lap in 8 minutes. Another can complete a lap in 6 minutes. How long will it take for both to arrive at the starting point together if they start at the same place? _____



- BUYING TACOS** Find the minimum number of 5-taco packages that will serve 4 people with no tacos left over. How many will each person get?

- HOW MANY PENNIES?** With the same collection of pennies, you can make stacks that have 3 pennies, 4 pennies, or 9 pennies with none left over. How many pennies do you have?
