



**THIRD SPACE
LEARNING**

Least Common Multiple Worksheet

Number and Quantity

Grades 6 to 8

Skill Questions

Name:

Date:

1 What is the least common multiple of 2 and 8?

Answer

2 What is the least common multiple of 3 and 7?

Answer

3 What is the least common multiple of 6 and 4?

Answer

4 What is the least common multiple of 11 and 8?

Answer

5 What is the least common multiple of 12 and 10?

Answer

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6 What is the least common multiple of 7 and 8?

Answer

7 What is the least common multiple of 420 and 49?

Answer

8 What is the least common multiple of 507 and 273?

Answer

9 What is the least common multiple of 286 and 715?

Answer

10 What is the least common multiple of 24, 40 and 72?

Answer

Applied Questions

- 11** Arianna's Blossoms sells roses in groups of 2. Across town, Jamie's Blooms sells roses in groups of 8. If a customer wants to buy the same number of roses from both vendors, what is the smallest number of roses the customer will have to buy from each vendor?

Answer

- 12** Hazel is packing equal numbers of apple slices and grapes for snacks. Hazel bags the apple slices in groups of 12 and the grapes in groups of 6. What is the smallest number of grapes that she can pack?

Answer

- 13** Joseph and Brennan are shelving books at a public library. Joseph shelves 7 books at a time, whereas Brennan shelves 9 at a time. If they end up shelving the same number of books, what is the smallest number of books each could have shelved?

Answer

- 14** 3 people are planting trees. Alan plants a tree every 10 minutes. Ben plants a tree every 12 minutes, and Carol plants a tree every 8 minutes. If they each planted trees continuously, how long would it take for them to all plant a tree at the same time?

Answer

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- 15** Two buses leave the depot at 10:30am. Bus A takes 35 minutes to arrive back at the depot, Bus B takes 40 minutes to arrive back at the depot. When are they both back at the depot at the same time?

Answer



Answers

Question number	Question	Answers	Standard
1	What is the least common multiple of 2 and 8?	8	6.NS.B4
2	What is the least common multiple of 3 and 7?	21	6.NS.B4
3	What is the least common multiple of 6 and 4?	12	6.NS.B4
4	What is the least common multiple of 11 and 8?	88	6.NS.B4
5	What is the least common multiple of 12 and 10?	60	6.NS.B4
6	What is the least common multiple of 7 and 8?	56	6.NS.B4
7	What is the least common multiple of 420 and 49?	2,940	6.NS.B4
8	What is the least common multiple of 507 and 273?	3,549	6.NS.B4
9	What is the least common multiple of 286 and 715?	1,430	6.NS.B4
10	What is the least common multiple of 24, 40 and 72?	360	6.NS.B4

Least Common Multiple Worksheet | Grades 6 to 8 | Answers




Question number	Question	Answers	Standard
11	Arianna's Blossoms sells roses in groups of 2. Across town, Jamie's Blooms sells roses in groups of 8. If a customer wants to buy the same number of roses from both vendors, what is the smallest number of roses the customer will have to buy from each vendor?	The smallest number of roses the customer will have to buy is 8.	6.NS.B4
12	Hazel is packing equal numbers of apple slices and grapes for snacks. Hazel bags the apple slices in groups of 12 and the grapes in groups of 6. What is the smallest number of grapes that she can pack?	The smallest number of grapes that she can pack is 12.	6.NS.B4
13	Joseph and Brennan are shelving books at a public library. Joseph shelves 7 books at a time, whereas Brennan shelves 9 at a time. If they end up shelving the same number of books, what is the smallest number of books each could have shelved?	The smallest number of books each could have shelved is 63.	6.NS.B4
14	3 people are planting trees. Alan plants a tree every 10 minutes. Ben plants a tree every 12 minutes, and Carol plants a tree every 8 minutes. If they each planted trees continuously, how long would it take for them to all plant a tree at the same time?	It would take 120 minutes for all 3 people to plant a tree at the same time.	6.NS.B4
15	Two buses leave the depot at 10:30am. Bus A takes 35 minutes to arrive back at the depot, Bus B takes 40 minutes to arrive back at the depot. When are they both back at the depot at the same time?	The buses would arrive back at the depot 280 minutes later at 3:10pm.	6.NS.B4

Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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