THIRD SPACE LEARNING

Factors and Multiples Check for Understanding

A 10 question retrieval quiz for students in grades 4, 5 and 6.

Grades 4 to 6

Questions

Name: ………………………………………. Class: ………………………………………….

Date: ………………………………………. Score: ………………………………………….

1 List all the factors of 75.

Answer

2 List the first four multiples of 9.

Answer

3 List all the factor pairs of 80.

Answer

4 Write 270 as a product of prime factors in exponential form.

Answer

5 What is the least common multiple (LCM) of 14 and 8?

Answer

6 What are the common factors of 80 and 36?

Answer

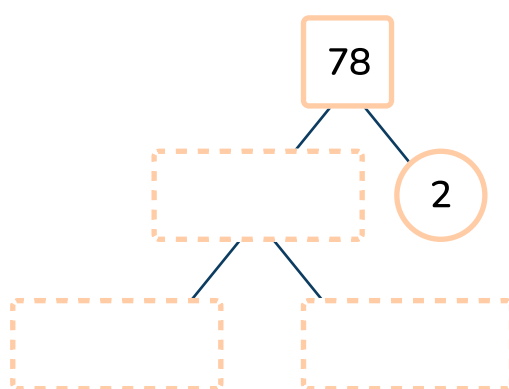**7** What is the greatest common factor (GCF) of 45 and 75?

Answer

8 Today Jamal has a piano lesson and a Spanish lesson. If he has piano lessons every 7 days and Spanish lessons every 5 days, how many days until he has both lessons on the same day again?

Answer

9   A bookstore is grouping 32 mystery books and 88 crime books into bags for an upcoming sale. Each bag should be just one type of book and all bags should have the same number of books. What is the greatest number of books they can have in each bag?
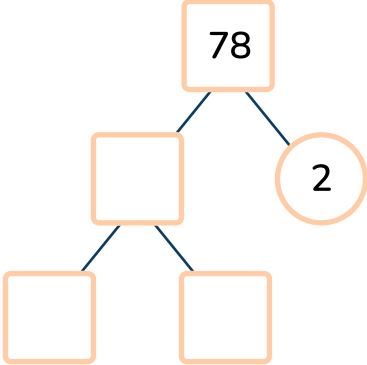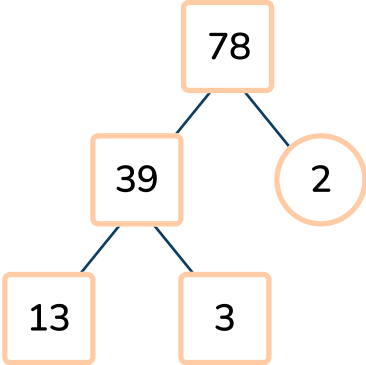
Answer

10   Complete the prime factor tree.

Answers

Question number	Question	Answers	Standard
1	List all the factors of 75.	1, 3, 5, 15, 25, 75	4.OA.B.4
2	List the first four multiples of 9.	9, 18, 27, 36	4.OA.B.4
3	List all the factor pairs of 80.	80 x 1, 40 x 2, 20 x 4, 16 x 5, 10 x 8	4.OA.B.4
4	Write 270 as a product of prime factors in exponential form.	$145 = 2 \times 3^3 \times 10$	6.NS.B.4 6.EE.A.1
5	What is the least common multiple (LCM) of 14 and 8?	56	6.NS.B.4
6	What are the common factors of 80 and 36?	1, 2, 4	6.NS.B.4
7	What is the greatest common factor (GCF) of 45 and 75?	15	6.NS.B.4
8	Today Jamal has a piano lesson and a Spanish lesson. If he has piano lessons every 7 days and Spanish lessons every 5 days, how many days until he has both lessons on the same day again?	35 days	6.NS.B.4
9	A bookstore is grouping 32 mystery books and 88 crime books into bags for an upcoming sale. Each bag should be just one type of book and all bags should have the same number of books. What is the greatest number of books they can have in each bag?	8 books	6.NS.B.4

Question number	Question	Answers	Standard
10	Complete the prime factor tree. 78 ☐ 2 ☐ ☐	78 39 2 13 3 13 and 3 are interchangeable	6.NS.B.4

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- ✓ Scaffolded learning to close gaps

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