

**Q1:** What is the greatest common factor of 24 and 40?

**A** 8

**B** 20

**C** 16

**D** 14

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**Q2:** Find the first five multiples of the number 5.

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**Q3:** What is the least common multiple of 6 and 8?

**A** 24

**B** 1

**C** 32

**D** 28

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**Q4:** What is the greatest common factor of 36 and 27?

**A** 10

**B** 6

**C** 9

**D** 3

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**Q5:** Kevin is planting 15 bushes and 9 trees in rows. If he wants all the rows to be exactly the same, with no plants left over, what is the greatest number of rows Kevin can plant?

**Answer:**  rows.

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**Q6:** What is the least common multiple between 9 and 6?

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**Q7:** Find the first five multiples of the number 14.

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**Q8:** List all of the factors of 63 in increasing order.

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**Q9:** What is the greatest common factor of 30 and 36?

**A** 2

**B** 3

**C** 6

**D** 9

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**Q10:** What is the least common multiple of 11 and 6 ?

- A 48
  - B 11
  - C 32
  - D 66
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**Q11:** Karen has a red ribbon that is 18 feet long and a blue ribbon that is 12 feet long.

She wants to cut both ribbons into pieces that are all the same length, and she wants to have no ribbon left over when she is done.

What is the greatest length, in feet, of each piece of ribbon that she can cut?

- A 3
  - B 6
  - C 36
  - D 72
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**Q12:** Find the least common multiple of 12 and 18.

- A 6
  - B 12
  - C 18
  - D 24
  - E 36
  - F 72
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**Q13:** Find the greatest common factor of 24, 36 and 48 and write your result in the empty box.

**Answer:**  .

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**Q14:** Select all of the prime numbers from the list that can divide the number 30 exactly.

**A** 2

**B** 3

**C** 5

**D** 7

**E** 11

**F** 13

**G** 17

**H** 19

**I** 23

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**Q15:** What is the greatest common factor of 25 and 30?

**A** 10

**B** 6

**C** 5

**D** 3

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**Q16:** What is the least common multiple of 9 and 12 ?

**A** 72

**B** 18

**C** 36

**D** 44

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**Q17:** Find the greatest common factor of 14 and 42 .

Show your work on the scratchpad.

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**Q18:** Find the least common multiple of 8 and 14

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**Q19:** Jeff is decorating papers with the child he is babysitting. They have a total of 7 heart stickers and 14 star stickers to use. If they want to make all the papers identical, with the same combination of heart and star stickers and no stickers left over, what is the greatest number of pages they can decorate?

**Answer:**  pages.

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**Q20:** Write a pair of whole numbers that satisfy the following conditions:

- Both numbers are less than 10 .
- The least common multiple of the numbers is 36 .

Smaller number =

Larger number =

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