



**Product title:** Mathematics MCQ for Eleven Plus - HCF & LCM Topic Sample Sheet 4.pdf

Contents:  
Answer Sheet

Mathematics Sample Test  
1 page

Thank you for your patronage.  
Visit us at [www.examgenome.com](http://www.examgenome.com)  
We regularly update our site with new products and helpful tips and advice.

## Questions

1. If the smallest number exactly divisible by  $x$ ,  $y$ ,  $z$  is 2520 and  $x = 10$ ,  $y = 12$ , what is  $z$ ?

A: 21

B: 14

C: 15

D: 18

2. Find the smallest number that leaves a remainder of 2 when divided by 3, 4, 5, and 6, but is divisible by 7.

A: 182

B: 302

C: 86

D: 62

3. The smallest number which is exactly divisible by 9, 15, 21, and 24 is:

A: 1260

B: 2520

C: 1680

D: 5040

4. What is the largest number that divides 70, 98, and 126 leaving the same remainder in each case?

A: 14

B: 28

C: 7

D: 21

5. What is the least number that must be subtracted from 5607 to make it exactly divisible by 37, 47, and 67?

A: 7

B: 37

C: 13

D: 23

**6.** What is the highest 4-digit number that is exactly divisible by 12, 15, 21, and 30?

A: 9660

B: 9945

C: 9975

D: 9990

**7.** The product of two numbers is 4620, and their HCF is 11. Find their LCM.

A: 420

B: 462

C: 4200

D: 500

**8.** Which of the following pairs of numbers has its LCM as the product of the two numbers?

A: 9 and 12

B: 7 and 15

C: 8 and 28

D: 14 and 21

**9.** The LCM of two numbers is always greater than or equal to:

A: Their sum

B: Their difference

C: The larger number

D: The product of the two numbers

**10.** Which one of these is NOT a possible pair of numbers if the HCF is 5 and LCM is 120?

A: 15 and 40

B: 10 and 60

C: 20 and 30



D: 5 and 120

**11.** In a school, 120 students can be divided into equal groups of either 6, 8, or  $x$  students. What is the maximum value of  $x$ ?

A: 10

B: 12

C: 15

D: 16

**12.** Find the HCF of 16, 24, and 36.

A: 2

B: 4

C: 8

D: 6

**13.** The largest number that divides 75, 80, and 152 leaving the same remainder in each case is:

A: 1

B: 8

C: 49

D: 3

**14.** The HCF of 35, 56, and 91 is:

A: 7

B: 5

C: 11

D: 13

**15.** If HCF of two numbers is 18, and their product is 1944, what is their LCM?

A: 108

B: 216

C: 54

D: 72

**16.** Two numbers have HCF 13 and LCM 208. If one number is 169, what is the other number?

A: 126

B: 13

C: 117

D: 156

**17.** If the HCF of two numbers is 5 and their LCM is 165, the product of the two numbers is:

A: 165

B: 660

C: 825

D: 820

**18.** The least common multiple of 16 and 20 is:

A: 64

B: 160

C: 80

D: 40

**19.** A gardener has 324, 576, and 972 rose plants. What is the maximum number of equal groups of plants that can be formed?

A: 108

B: 36

C: 81

D: 72

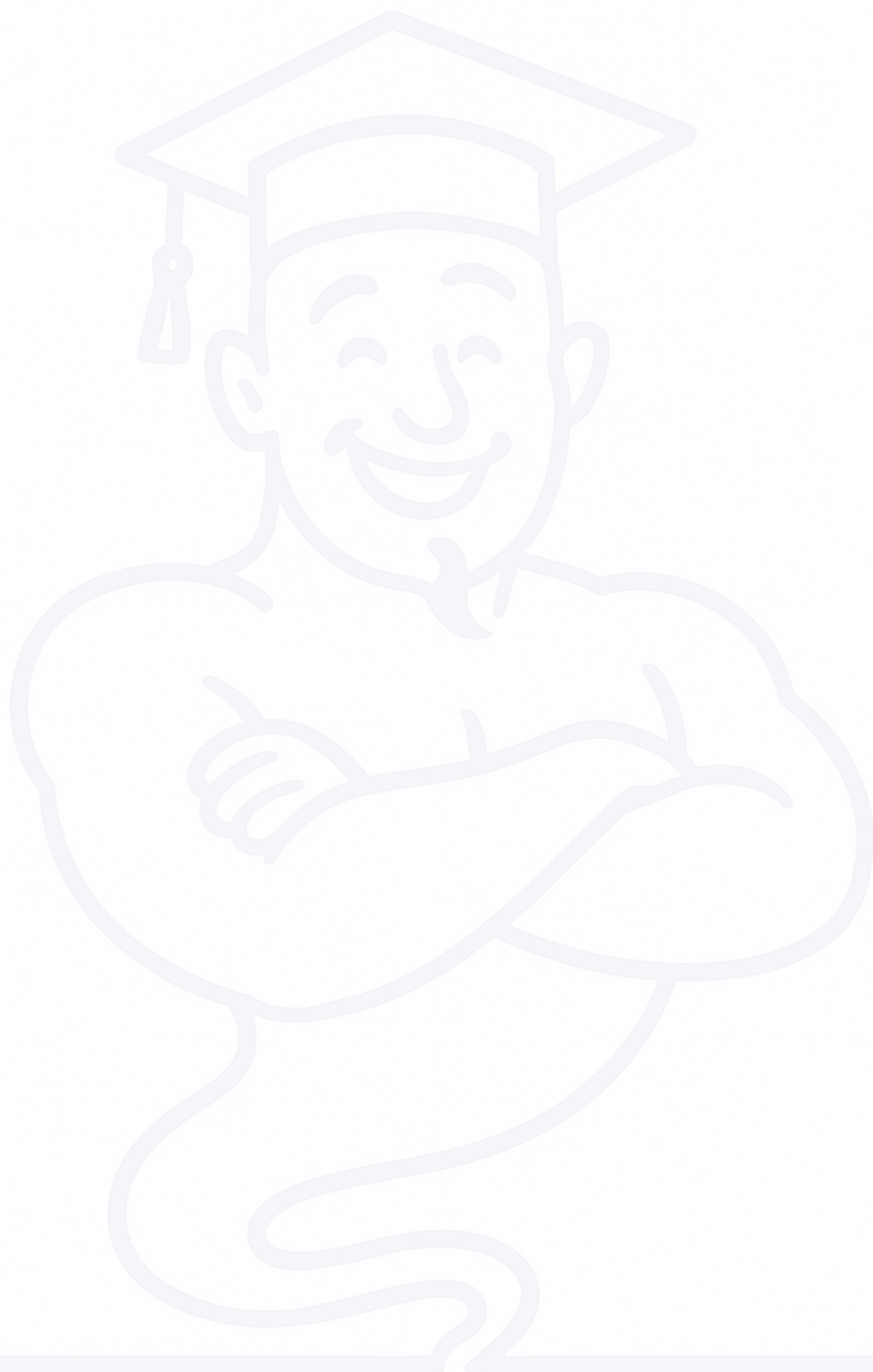
**20.** There are three containers with 180L, 324L, and 252L of oil. What is the greatest size of container that can measure the quantity of oil exactly?

A: 18L

B: 36L

C: 27L

D: 9L



examGenome





## Answer Sheet

1. A	2. A	3. B	4. B	5. A
6. A	7. A	8. B	9. C	10. B
11. C	12. B	13. A	14. A	15. A
16. D	17. C	18. C	19. B	20. B

examGenome

