

### Answer the questions

- (1) Deborah and Barbara are friends as well as cricket coaches in the same school. Deborah goes to Modern school every 4 days while Barbara goes there every 5 days to deliver coaching classes. If they both delivered the coaching sessions today, how many days, in the next 140 days, will both of them be delivering the coaching sessions on the same day?
- (2) 108 cola cans and 126 fruit juice cans need to be stacked in a school canteen. If each stack is to be of the same height and has to contain cans of the same type, find the greatest number of cans each stack can have.
- (3) Determine the two numbers nearest to 700000 which are exactly divisible by 3, 9, 8 and 7.
- (4) A rectangular courtyard with length 7 m 20 cm and breadth 3 m 60 cm is to be paved with square stones of the same size. Find the least number of such stones required.
- (5) Find the highest common factor (HCF) of following:
 

A) 286, 187	B) 100, 270	C) 96, 40
D) 171, 189	E) 120, 65	F) 120, 96
- (6) Find the LCM (least common multiple) of the following numbers  
28, 20, 14, 4
- (7) Helen has two sheets of cloth. One sheet is 456 inches wide and the other sheet is 120 inches wide. She wants to divide the sheets into strips of equal width without wasting any cloth such that they are as wide as possible. How wide should she cut the strips?
- (8) Find the largest number that divides 153 and 98 leaving remainders 3 and 8, respectively.
- (9) Mark saves \$31.55 everyday. Find the minimum number of days for which he need to save to get his savings as a whole number.
- (10) Along a highway, there are electric poles on one side of the highway and telegraph poles on the other side. The electric poles are separated by 8 m and the telegraph poles are separated by 100 m. If an electric and a telegraph pole are both present at the point where the highway begins, after how much distance along the highway will they both be in front of each other again?
- (11) Ash-Waite is a comet that orbits around the sun once in 48 years, and Alferno-Princip is a comet that orbits around the sun once in 36 years. The last time they were seen together in the sky was in 1991. In which year will they be next seen together in the sky ?
- (12) What is the largest number that divides 1266 and 466 leaving a remainder of 6?
- (13) Find the greatest number that divides 624, 163 and 450 leaving remainders 8, 9, and 10, respectively.

**Choose correct answer(s) from the given choices**

(14) If a number is divisible by 24 and 16, it will be necessarily divisible by :

- |       |       |
|-------|-------|
| a. 46 | b. 50 |
| c. 48 | d. 52 |

**Fill in the blanks**

(15) The least common multiple (LCM) of 60 and 80 is .



© 2017 Edugain (www.edugain.com).  
All Rights Reserved

Many more such worksheets can be  
generated at [www.edugain.com](http://www.edugain.com)

## Answers

- (1) 7
- (2) 18
- (3) 699552, 700056
- (4) 2
- (5)

A)	11	B)	10	C)	8
D)	9	E)	5	F)	24
- (6) 140
- (7) 24 inches
- (8) 30
- (9) 20
- (10) 200 m
- (11) 2135
- (12) 20
- (13) 22
- (14) c. 48
- (15) 240