

Year 7 Class 5 questions

Q1

Find the highest common factor (HCF) of 48 and 60.

HCF =

Q2

Find the lowest common multiple (LCM) of 6 and 4.

LCM =

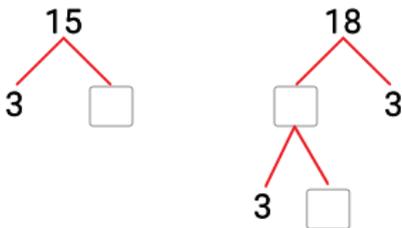
Q3

Write in index form.

7 to the power of 2 =

Q4

Complete the factor trees and use them to find the highest common factor (HCF) of 15 and 18.



HCF =

Q5

Complete the factor trees and use them to find the lowest common multiple (LCM) of 15 and 4.



LCM =

Q6

Find the highest common factor (HCF) of 96 and 72.

HCF =

Q7

Find the highest common factor (HCF) of 28 and 42.

HCF =

Q8

Find the lowest common multiple (LCM) of 7 and 12.

LCM =

Q9

Find the lowest common multiple (LCM) of 18 and 10.

LCM =

Q10

When written in index notation

$7 \times 3 \times 3 \times 7 \times 7 \times 7 =$

$7^2 \times 3^4$

$7^4 \times 3^2$

$7^4 \times 2^3$

Q11

When written in expanded form

$3^2 \times 4 =$

$2 \times 2 \times 2 \times 4$

6×4

$3 \times 3 \times 4$

Q12

Draw factor trees and use them to find the highest common factor (HCF) of 35 and 42.

HCF =

Q13

Draw factor trees and use them to find the highest common factor (HCF) of 24 and 64.

HCF =

Q14

Complete the factor trees and use them to find the lowest common multiple (LCM) of 15 and 70.



LCM =

Q15

Draw factor trees and use them to find the lowest common multiple (LCM) of 8 and 10.

LCM =

Q16

Find the highest common factor (HCF) of 39 and 156.

HCF =

Q17

Find the highest common factor (HCF) of 6, 12 and 24.

HCF =

Q18

Find the highest common factor (HCF) of 35, 62 and 105.

HCF =

Q19

Find the lowest common multiple (LCM) of 2, 3 and 5.

LCM =

Q20

Find the lowest common multiple (LCM) of 4, 5 and 6.

LCM =

Q21

Find the lowest common multiple (LCM) of 15, 18 and 20.

LCM =

Q22

Find the value of

$$(3 + 5)^2 - 4^2 = \text{$$

Q23

Find the value of

$$3 \times 2^3 \div 2^2 = \text{$$

Q24

Find the value of

$$5 \times 3^4 \div 3^2 = \text{$$

Q25

Draw factor trees and use them to find the highest common factor (HCF) of 75 and 125.

HCF =

Q28

Draw factor trees and use them to find the lowest common multiple (LCM) of 60 and 84.

LCM =

Q26

Draw factor trees and use them to find the highest common factor (HCF) of: 175 and 300.

HCF =

Q29

Draw factor trees and use them to find the lowest common multiple (LCM) of 72 and 126.

LCM =

Q27

Draw factor trees and use them to find the highest common factor (HCF) of 140 and 175.

HCF =

Q30

Draw factor trees and use them to find the lowest common multiple (LCM) of 300 and 250.

LCM =