

Multiple choice test

1. What are the prime factors of 42?

- ☐ 3×14
- ☒ $2 \times 3 \times 7$
- ☐ 2×21

2. What are the prime factors of 150?

- ☒ $2 \times 3 \times 5 \times 5$
- ☐ $3 \times 3 \times 5 \times 5$
- ☐ 6×25

3. What is the LCM of 13 and 3?

- ☐ 13
- ☐ 3
- ☒ 39

4. What is the HCF of 32 and 24?

- ☐ 2
- ☒ 8
- ☐ 4

5. What is the LCM of 24 and 36?

- ☐ 12
- ☒ 72
- ☐ 30

6. What is the HCF of 104 and 136?

- ☒ 8
- ☐ 12
- ☐ 13

7. What is the HCF of 3×13 and $2^2 \times 13$?

- ☐ 9
- ☐ 17
- ☒ 13

8. What is the LCM of $2^2 \times 3^2 \times 5$ and $2^3 \times 3 \times 5$?

- ☒ 360
- ☐ 5,590,200
- ☐ 30

9. What is the HCF of $2 \times 5 \times 13$ and 22×13 ?

- ☐ 13
- ☒ 26
- ☐ 52

10. Find the LCM of $3^2 \times 11 \times 13$ and 3×11^2 .

- ☐ 1287
- ☒ 14,157
- ☐ 429