

Types of Number

1. What are the first five multiples of:

- (a) 2 (b) 3 (c) 7 (d) 9 (e) 12

2. What is the lowest common multiple of:

- (a) 2 and 5 (b) 3 and 8 (c) 4 and 8 (d) 6 and 8 (e) 3 and 7 (f) 5 and 7
(g) 6 and 7 (h) 4 and 9 (i) 3 and 12 (j) 5 and 9 (k) 4 and 13 (l) 6 and 9

3. What is the lowest common multiple of these numbers:

- (a) 2, 3 and 4 (b) 3, 4, and 6 (c) 4, 5 and 8 (d) 5, 6 and 7

4. Three disco lights are set to go off at set intervals. Blue every 3 seconds, green every 5 seconds and red every 6 seconds. If the lights are turned on at the exact same time, how long will it take before all three lights flash at the same time?



5. What are the factors of:

- (a) 20 (b) 32 (c) 8 (d) 21 (e) 15 (f) 60

6. What is the highest common factor of:

- (a) 18 and 20 (b) 26 and 32 (c) 40 and 28 (d) 24 and 72
(e) 45 and 80 (f) 27 and 36 (g) 42 and 70 (h) 38 and 19

7. What is the highest common factor of:

- (a) 24, 32 and 48? (b) 30, 42 and 48 (c) 28, 40 and 60

8. Write down the prime numbers between 1 and 40

9. Write down two prime numbers that multiply to give an even number.

10. What are the prime factors of:

- (a) 28 (b) 45 (c) 34 (d) 27 (e) 200 (f) 84

11. Write down the first ten square numbers.

12. What is $4^2 + 5^2$?

13. Calculate $3 + 2^2 \times 3$.