

Year 5 and 6 Number Theory

- Q1. (a) List the whole numbers less than 5.
(b) List the whole numbers less than or equal to 5.
(c) List the counting numbers less than 5.
(d) List the counting numbers less than or equal to 5.
(e) List the even numbers between 13 and 21.
(f) List the odd numbers between 16 and 24.
(g) List the square numbers between 20 and 70.
(h) List the first 5 triangular numbers.
- Q2. Which of the numbers below is 4 a factor of?
20, 14, 30, 28, 60
- Q3. List all the factors of the following numbers:
(a) 10 (b) 12 (c) 17 (d) 20
- Q4. (a) List the first four multiples of 5.
(b) List the first six multiples of 8.
(c) List the multiples of 3 between 20 and 31.
- Q5. Which of the numbers below is 30 a multiple of?
2, 3, 4, 6, 8
- Q6. (a) What are the factors of 13?
(b) Is 13 a prime or composite number?
- Q7. (a) What are the factors of 15?
(b) Is 15 a prime number or composite number?
- Q8. State whether the following numbers are prime or composite:
(a) 11 (b) 18 (c) 21 (d) 23 (e) 27