

Multiples:

Activity:

Look at the table below, can you try to connect the meaning of the word 'Multiple' to what this table is displaying?

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

Lowest Common Multiple (LCM)

| 1 | 2 | 3 | 4 | 5 | 6 |
|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 2 | 4 | 6 | 8 | 10 | 12 |
| 3 | 6 | 9 | 12 | 15 | 18 |
| 4 | 8 | 12 | 16 | 20 | 24 |
| 5 | 10 | 15 | 20 | 25 | 30 |
| 6 | 12 | 18 | 24 | 30 | 36 |
| 7 | 14 | 21 | 28 | 35 | 42 |
| 8 | 16 | 24 | 32 | 40 | 48 |
| 9 | 18 | 27 | 36 | 45 | 54 |
| 10 | 20 | 30 | 40 | 50 | 60 |
| 11 | 22 | 33 | 44 | 55 | 66 |
| 12 | 24 | 36 | 48 | 60 | 72 |

Activity:

Q1. What is the LCM of 1 and 2?

Q2. What is the LCM of 4 and 5?

Q3. What is the LCM of 3, 5 and 6?

Q4. What is the LCM of 2, 3 and 5?

Q5. What is the LCM of 6 and 8?

Q6. What is the LCM of 8 and 16?

Q7. TRUE / FALSE You always get a common multiple of a pair of numbers by multiplying them together.

Q8. Why have I not asked you to find the