



1)

| Multiples of 2 | Multiples of 3 | Multiples of 5 | Multiples of 10 |
|----------------|----------------|----------------|-----------------|
| 16 | 36 | 40 | 40 |
| 40 | 72 | 55 | 30 |
| 36 | 24 | 30 | 90 |
| 72 | 30 | 90 | |
| 24 | 90 | | |
| 30 | | | |
| 90 | | | |

- 2)
- a) *The final digit is even.*
 - b) *The digit total is 3, 6 or 9 (or a multiple of 3).*
 - c) *The final digit is 0 or 5.*
 - d) *The final digit is 0.*

3)

| Multiples of 2 | Multiples of 3 | Multiples of 5 | Multiples of 10 |
|----------------|----------------|----------------|-----------------|
| 7362 | 7362 | 3475 | 4530 |
| 8654 | 6246 | 4530 | 2940 |
| 6246 | 4530 | 2940 | |
| 4530 | 3513 | | |
| 2940 | 2940 | | |

- 1)
- a) *This is sometimes true. For example, 12 is a multiple of both 3 and 6. However, 15 is a multiple of 3 but not a multiple of 6.*
 - b) *This is always true. Multiples of 5 end with a 0 or 5 and multiples of 10 always end with a 0. Therefore, adding a multiple of 5 to any multiple of 10 will result in the new number ending in 0 or 5, which is a multiple of 5.*
 - c) *This is never true. Multiples of 4 are always even numbers.*
- 2) *Jamie's grandad is 48 years old. He could also possibly be 104!*



- 1) *Multiple answers possible, including: 64, 65, 66 | 124, 125, 126 | 184, 185, 186*
- 2) *Possible numbers are: 24, 54, 84, 114, 144, 174, 324, 354*

