

## Task A

**Question 1:** Which of these numbers are **factors of 36**?

2    4    5    6    9

**Question 2:** Which of these numbers are **factors of 100**?

2    3    5    20    40

**Question 3:** Always, sometimes or never:

*'If a number ends in 0 then one of its factors is 5.'*

**Question 4:** Always, sometimes or never:

*'If a number ends in 6 then one of its factors is 3.'*

## Task B

**Question 1:** Which of these numbers are **factors of 78**?

2    3    4    5    6    7

**Question 2:** Which of these numbers are **factors of 200**?

2    3    4    5    20    40    60

**Question 3:** Always, sometimes or never:

*'If a number ends in 2 then one of its factors is 6.'*

**Question 4:** Always, sometimes or never:

*'Every number that has 3 as a factor also has 6 as a factor.'*

### Answers

**Task A:** Q1: 2, 4, 6, 9    Q2: 2, 5, 20    Q3: Always, for example 20.

Q4: Sometimes. Examples: 36 has a factor of 3. 16 does not have a factor of 3.

**Task B:** Q1: 2, 3, 6    Q2: 2, 4, 5, 20, 40    Q3: Sometimes. Examples: 12 has a factor of 6. 22 does not have a factor of 6.

Q4: Sometimes. Examples: 18 has factors of 3 and 6 but 21 does not. Every number that has 3 as a factor does have 6 as a factor, though, as 6 is two lots of 3.