# Exercise 1 – Boundary value

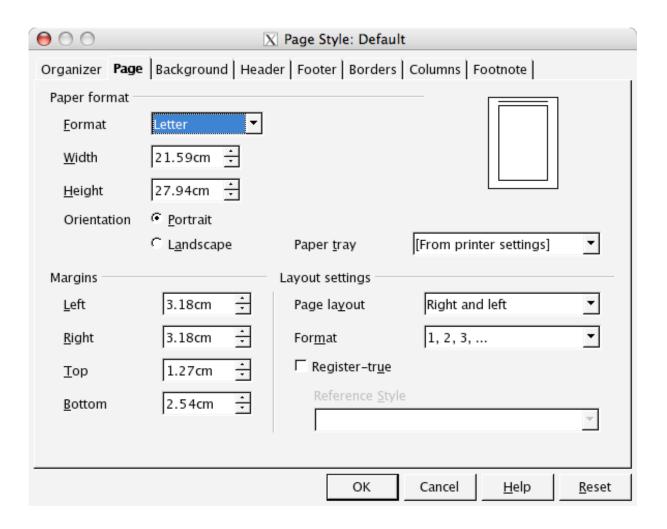
Do a domain analysis on page width and height

Assume the spec states that values between 10 cm and 60 cm should be handled

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# Exercise 2 – Boundary value

#### Do a domain analysis on the margins



# Exercise 3 – Boundary value

Besides height, width and margins What domain analysis issues does the screen suggest?

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#### Exercise 4 – Equivalence classes

- The weak-normal equivalence classes are the following
  - $R1 = \{ \langle a, b, c \rangle : \text{ the triangle with sides } a, b \text{ and } c \text{ is equilateral } \}$
  - $R2 = \{ \langle a, b, c \rangle : \text{ the triangle with sides } a, b \text{ and } c \text{ is isosceles } \}$
  - R3 =  $\{$ <a, b, c> : the triangle with sides a, b and c is scalene  $\}$
  - R4 =  $\{$ <a, b, c> : sides a, b and c do not form a triangle  $\}$
- Revise the equivalence classes to include a right-angled triangle

#### Exercise 5 – Equivalence classes

- How do the test cases for the triangle problem change for the revised triangle problem that outputs
  - Not a triangle
  - Scalene
  - Scalene, isosceles
  - Scalene, isosceles, equilateral