

Epreuve 5 : La cave aux fioles

In his cave Nain Bleu makes up his potions by mixing various coloured liquids in phials. Each phial can hold 150 ml. To stay organised he numbers the phials from 1 to 35.

He pours:

- 50 mL of the yellow liquid into phial 2 then 50 ml of the yellow into both phials;
- 50 ml of the red liquid into phial 3, then 50 ml of red into all 3 phials;
- 50 ml of the blue into phial 5 then 50 ml of blue into all 5 phials.

In this way he can get a range of colours.

Nain Bleu needs 300 ml of green potion to cure Gandoulf's dragons.

Has he enough green potion? Justify your answer.