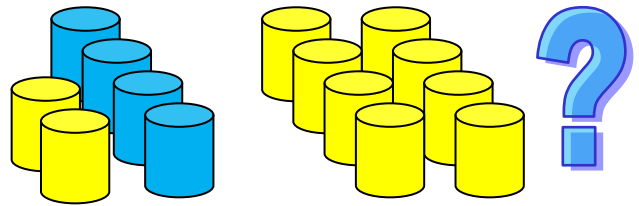


Proportion problems: matching

Sort the following calculations and answers under the appropriate problems.

Tip: try drawing a diagram to help, as here.



Mixing paint

A shade of green paint is produced using 4 litres of blue paint and 2 litres of yellow paint. How much blue paint is needed to mix with 8 litres of yellow paint?

Peroxide solutions

A bleach solution contains 2 ml of hydrogen peroxide for every 100 ml of solution. If you have 8 ml of hydrogen peroxide how much solution should you make?

Making concrete

A concrete mix is made up of 2 parts cement, 2 parts sand and 4 parts gravel. If 8 kg of cement is used, how much sand and gravel is needed?

$$8 \div 2 = 4$$

$$100 \times 4 = 400$$

$$8 \div 2 = 4$$

$$4 \times 4 = 16$$

$$8 \div 2 = 4$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

16 litres blue paint

8 kg sand
16 kg gravel

400 ml of solution