Proportion problems: matching - answers

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?

$8 \div 2 = 4$

$4 \times 4 = 16$

Correct answer: **16 litres blue 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?

$8 \div 2 = 4$

$100 \times 4 = 400$

Correct answer: **400 ml of solution**

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?

$8 \div 2 = 4$

$2 \times 4 = 8$

$4 \times 4 = 16$

Correct answer: **8 kg sand and 16 kg gravel**