

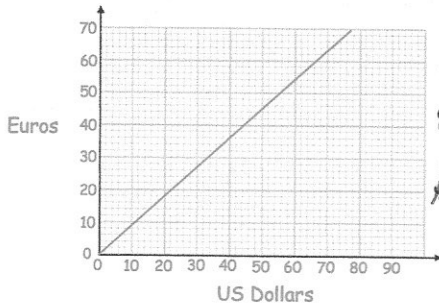


Factorise $y^2 + 4y - 45$

$$(y+9)(y-5)$$

Factorise $1 - x^2$

$$(1-x)(1+x)$$



$\$50 = \text{€}45$
 $\$1 = \text{€}0.90$
 $\$290 = \text{€}261$

Rachel has £160 and \$50.

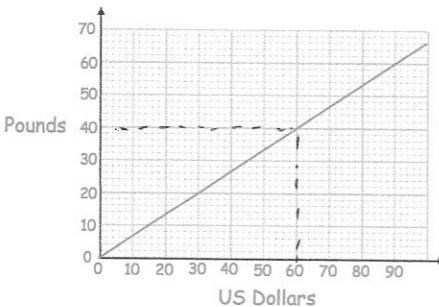
$\$240$

$\$290$

Her hotel bill is €950.

How much more money does Rachel need to pay the hotel bill?

$$950 - 261 = \text{€}689$$



$\text{£}40 = \$60$
 $\text{£}160 = \$240$

A cube with side length 8cm is placed on the ground. The pressure exerted on the ground is 4N/cm^2 . $8 \times 8 = 64\text{cm}^2$

What force does the cube exert on the ground?

$$P \quad A$$

$$F = P \times A$$

$$= 4 \times 64$$

$$= 256 \text{ N}$$

Five chairs and a table cost £240

Eight chairs and two tables cost £416

Find the cost of buying three tables and three chairs.

$$\text{£}336$$

$$5x + y = 240$$

$$8x + 2y = 416$$

$$160 + y = 240$$

$$y = 80$$

$$10x + 2y = 480$$

$$8x + 2y = 416$$

$$\hline 2x = 64$$

$$x = 32$$