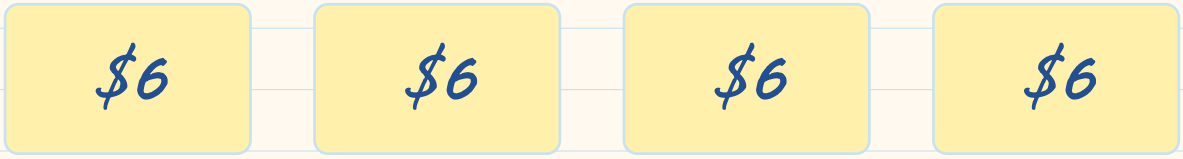
Choosing a mathematical model

Number · VC2M4N09

Turn a real problem into maths, solve it, then explain what your answer means.



4 packs × $6 per pack = $24

☆ Choose an operation

Combine: +. Find a difference or change: −.
Equal groups → multiply. Sharing or grouping → divide.
24 pencils shared by 6 children: 24 ÷ 6 = 4 each.

☆ Model a multi-step problem

Four packs at $6 each; pay $30. Find the change.
Double $6 twice: $12, $24. Change: $30 − $24 = $6.
You receive $6 change; check $24 + $6 = $30.

☆ Check information and try a model

Know the packs but not pencils per pack? Find that fact.
Need 19 pencils, with 1 loose and 6 in each bag.
Try 3 bags: 3 × 6 + 1 = 19, so 3 bags work.

☆ Work backwards

Paid = payable cost + change: $2.95 + $2 = $4.95.
Missing price: $4.34 − $2.00 − $1.14 = $1.20.
Try a calculator: 18.50 + 6.20 + 3.80 = 28.50.

Remember...

Choose +, −, × or ÷ from the situation, not one keyword.
For long price lists, use a calculator; estimate and check entries.