

ACTIVITAT 11: PES I BALANCES

Aquesta activitat et permet treballar l'equivalència de diferents pesos en una balança de plats o balançons:

Practice Area:

Each shape has a different value. See if you can work out the values of the shapes by adding them to the scales. Try balancing the scales with different shapes on either side - it can be done!

Click on the '+' sign to add a shape. Shapes can be removed from the scales by clicking the '-' button (this only appears once a shape has been added). The 'reset' button clears the scales.

“MAIN MENU” et torna a la pàgina inicial.

Prem + para afegir pesos al plat esquerre i - per treure'n.

Prem + para afegir pesos al plat dret i - per treure'n.

Prem “CHECK” per comprovar si la balança està equilibrada.

Activitats:

a) Comprova que $\blacksquare = 4 \bullet$ (el pes d'un cub equival al de 4 boles)

b) Completa les equivalències següents:

- $\blacktriangle = ? \bullet$ (Quantes boles calen per equilibrar la piràmide?)
- $\blacklozenge = ? \bullet$ (Quantes boles calen per equilibrar l'hexàgon?)
- $2 \blacksquare = ? \bullet$ (Quantes boles calen per equilibrar dos cubs?)
- $2 \blacktriangle = ? \bullet$
- $\blacktriangle + \blacksquare = ? \blacklozenge + ? \bullet$
- $\blacklozenge = ? \blacktriangle$
- $\blacktriangle + \blacklozenge = ? \blacksquare + ? \bullet$
- $2 \blacksquare = ? \blacklozenge + ? \bullet$
- $2 \blacktriangle = ? \blacklozenge$
- $\blacklozenge + \blacksquare = ? \blacktriangle + ? \bullet$
- $\blacklozenge = ? \blacksquare + ? \bullet$
- $2 \blacksquare = ? \blacktriangle + ? \bullet$
- $3 \blacksquare = ? \blacklozenge$

Pista: quan sàpigues l'equivalència del cub, de la piràmide i de l'hexàgon en relació amb les boles, només hauràs de pensar quantes boles sumen, per exemple, tres cubs...

Prem MAIN MENU per elegir l'altra opció d'activitats.

Questions Area:

The screenshot shows the 'WEIGH IT UP' game interface. At the top left, the title 'WEIGH IT UP' is displayed in a green banner. Below it, the text 'The scales balance like this:' is followed by a balance scale. The left pan contains two blue blocks, and the right pan is empty. To the left of the scale, a small diagram shows a pan with one blue block equal to a pan with three red balls. Below the scale, a yellow box asks 'How many [red ball] will balance this?'. At the bottom, there are three buttons: 'DECREASE', 'INCREASE', and 'CHECK'. A 'MAIN MENU' button is in the bottom left. Three callout boxes provide instructions: one points to the right pan, another to the 'CHECK' button, and a third to the 'DECREASE' and 'INCREASE' buttons.

Calcula quantes boles has de col·locar al plat de la dreta per equilibrar la balança.

Després prem "CHECK".

Prem "Decrease" per treure boles i "Increase" para afegir-ne.

The screenshot shows the 'WEIGH IT UP' game interface after a correct answer. The title 'WEIGH IT UP' is at the top left. The text 'That is correct! Now try the next question!' is displayed. Below it, the text 'The scales balance like this:' is followed by a balance scale. The left pan contains two blue blocks, and the right pan contains five red balls. To the left of the scale, a small diagram shows a pan with one blue block equal to a pan with three red balls. Below the scale, a yellow box asks 'How many [red ball] will balance this?'. At the bottom, there are three buttons: 'DECREASE', 'INCREASE', and 'CHECK'. A 'MAIN MENU' button is in the bottom left.

Si el resultat és correcte, quan premis CHECK et plantejarà un altre problema.