

The price of keeping warm

Time: 1 hour

Introduction In this activity the children will have to work out percentage off sale prices for polar clothing garments and how many items they can buy within a set budget.

Learning Objective:

To work out sale price costing for polar clothing garments, how much a selection of clothes will cost and, most importantly, how to stick to a budget.

Resources:

1. Worksheet with clothes and prices (available on www.2041.com)

1 The key to keeping warm in the freezing Antarctic temperatures is layers of clothing that keep the cold and the wind out and the heat in, but without letting you get too hot and sweaty!

So a polar explorer needs to take a selection of clothes that ensure they stay well insulated and protected from the cold. But these types of clothes are expensive so what are the children going to buy based on a set budget of £500. The good news is that there is a sale on and there are some special deals to be had so if they shop wisely, they could do very well!

2 Ask the children to look at the various clothes items on the worksheet and discuss which ones they think are the most essential. Then they need to work out what they will get with a budget of £500.

3 Once they have done this, they should start working out the 10% off sale prices. Then they can see how much more they can buy with their £500 budget.

Differentiation

To extend this activity, the more able mathematicians can work out the sale prices if the clothing is reduced another 15%? With their new sale value, which combination of clothes will get the children closest to £500? Try out the different combinations.

Success criteria

The children are able to work out how much they can buy up to a certain budget. The children can work out percentage reductions to create sale prices for items of clothing.

