



# Chrissy combo

Goal: to practise combinations

## You need

- > 12 hamper cards
- > 1 or 2 participants

## What to do

Early in the year you decide to order **3** Christmas hampers. You need to decide which hampers you will buy.



1. Look at the 12 hamper cards and choose **5** of them.
2. From these 5 you only want 3. How many **different combinations** of 3 can you make from the 5 hamper cards?

## Challenge yourself further

- > Record your combinations. Now add up the total cost for each combination. eg cards A, C and E together make a total of \$9.

Combination	Total
ACE	$\$4 + \$2 + \$3 = \$9$

- > To pay for your hampers you will make a payment of \$10 per week (for 40 weeks). Which combinations of hampers would you buy for your family? How much will you pay altogether for the 40 weeks?
- > Change the number of hampers chosen (as in Step 1) and the number of hampers to make combinations from (as in Step 2).



## Where the task came from

In some communities people choose to plan and prepare for Christmas by joining a Christmas hamper club. They then pay a set amount of money each week towards a variety of (or just 1 or 2) hampers.

Many families choose more than 1 hamper and pay for them over 40 weeks.

Near Christmas the hampers are delivered to the families. This can be a fun time for the children as all the boxes arrive at once.

## The numeracies include...

- > having conversations about money, choices and spreading financial outlay over a period of time.
- > families making decisions about value for money, priorities, weighing up everyone's needs, making comparisons.

## The mathematics include...

- > demonstrating, recording and reporting on logical and critical thought processes by reaching for and abstracting generational algebraic representations from patterns drawn from current social situations. This could include: addition; more than and less than; making comparisons (eg, which is biggest?); fractions and decimals; coding using symbols (eg  $A + B + C = \$10$ ); patterning; and systematically trialling and improving

## Curriculum framework key ideas

- > using number sense to refine the ability to estimate, calculate and present amounts of money in personal, family and community activities, and experiences in other learning areas (eg Science, Studies of Society and Environment)
- > using computational tools and strategies, and understanding and representing the thinking processes used to solve problems
- > using everyday language and mathematical symbols to represent and communicate generalisations about mathematical situations and structures (for example, calculating how much could be deducted from a pay packet over 12 months)

- > recognising relationships within different number concepts to make sense of, and represent numerically, a range of community activities and social processes
- > identifying, describing, constructing, representing and predicting patterns and relationships when working with data and calculating. Learners relate these patterns and relationships to their everyday lives

## Educator options

- > Monitor and assess to inform future practice:
  - what questions are the learners asking? eg *'Which hampers are best?'; 'What can I afford?'*
  - what do you hear the learners talking about? eg *what their needs are and what suits them best*
  - what strategies are the learners using? eg *how are they recording their combinations; are they identifying patterns?*
- > Get Christmas hamper catalogues for students to look at and compare.
- > Contextualise. That is, organise a hamper for a class party and investigate ways you could pay for it.
- > Invite community members in to talk about how they choose to shop and budget for Christmas.
- > Compare hamper club costs with the local supermarket.

## Learner options

- > Look up different Christmas hamper websites and compare.
- > Discuss whether you are getting value for money. How will you find out?
- > Which hampers would best suit your family on Christmas Day?
- > Which hampers do you think are best and why?
- > Which hampers are best if you have a balanced diet?
- > Make up your own hamper. What would you put in it? What is the cost? How much per week would you need to put away to pay for it? How much would you have to pay over 20 weeks?



**Link to CD:** Shopping > Next > Saving for Christmas  
**Digital tasks software:** Chrissy combo