

Cambridge Home Learning

Answer Sheet

Notes: Jack and Jill

7 to 9

Solution and notes

If each is to fetch the same amount, they must each get half the total of 34 litres.

The problem can be solved by trial error, but it is easier to look for combinations of numbers with a total of 17.

One possibility is that:

one fetched 7 litres, 2 litres and 8 litres,
the other fetched 5 litres, 9 litres and 3 litres.

Alternatively:

one fetched 7 litres, 2 litres, 5 litres and 3 litres,
the other fetched 9 litres and 8 litres,

Extension

There are 5 pails of water:
9 litres, 8 litres, 5 litres, 3 litres and 2 litres.

Jill fetched twice as much as Jack.

Which pails did she take?

(8 litres, 5 litres, 3 litres and 2 litres)

Add small numbers in the range 1 to 20
Work out a strategy