

### LOADING LORRIES



Twenty one gas cylinders are to be loaded onto three lorries.

Seven cylinders are full, seven are half-full and seven are empty.

A full cylinder weighs 50kg and an empty cylinder weighs 20kg.

How should they be loaded onto the lorries so that each lorry is carrying the same weight?

**Can you find more than one answer?**

### HELP

0	0	0	0	0	0	0
20kg	20kg	20kg	20kg	20kg	20kg	20kg

$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
35kg	35kg	35kg	35kg	35kg	35kg	35kg

1	1	1	1	1	1	1
50kg	50kg	50kg	50kg	50kg	50kg	50kg

Cut out the 21 pieces showing the weights of the cylinders and arrange them into 3 sets to load on the 3 lorries so that each set has the same total weight.

### NEXT

Make up a similar problem with a different number of cylinders and different weights or a different number of lorries.