

Newspaper problems



Convert between grams and kilograms to solve problems

This table gives the mass of one copy of four daily newspapers and two Sunday newspapers.

Newspaper	Echo	Express	Globe	Times	Post on Sunday	Sunday News
Mass (g)	275	310	250	400	400	500

Challenge

1

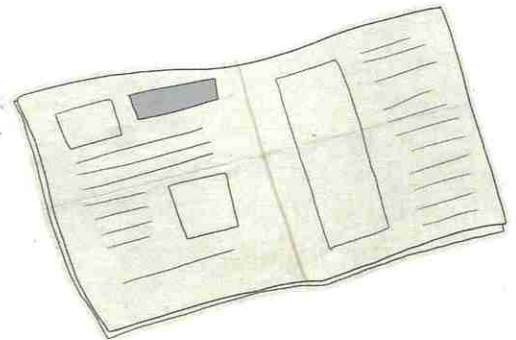
Copy and complete the table showing the mass in kilograms for 1, 10 and 100 copies of each of the daily newspapers.

Number of copies	Echo	Express	Globe	Times
1	0.275 kg	0.31 kg	0.25 kg	0.4 kg
10	2.75 kg			
100				

Challenge

2

1 Work out the mass in grams then in kilograms for each number of copies of the daily newspapers. Copy and complete the table below.



Newspaper	Number of copies	Total mass (g)	Total mass (kg)
Echo	20		
Express	50		
Globe	40		
Times	30		

- 2 Calculate the mass in kilograms of newspapers delivered to each house in one week.

	Address	Daily (Mon–Sat)	Sunday
a	6 Ash Avenue	Express	Sunday News
b	10 Oak Grove	Times	Post on Sunday
c	35 Rowan Road	Globe	Post on Sunday
d	15 Willow Way	Echo, Times	Sunday News

- 3 The newspapers in Zac's bag at the start of his paper round each day have a mass of 7.385 kg. He has 5 copies of the Echo, 6 copies of the Express and 7 copies of the Globe. The rest of his newspapers are copies of the Times.

- a How many copies of the Times does he have in his bag?
- b What is the total mass in kilograms of the daily newspapers he delivers from Monday to Saturday?
- 4 Alfie delivers 17 copies of the Post on Sunday and 13 copies of the Sunday News to 20 houses. What is the total mass in kilograms of his newspapers at the start of his Sunday paper round?
- 5 How much heavier is Alfie's set of Sunday newspapers than Zac's set of daily newspapers?
- 6 How many of Alfie's customers take two Sunday newspapers?



- 1 Grace, David and Lauren each have a newspaper round. The combined mass of newspapers in their bags is 21 kg. Grace's newspapers are 600 g lighter than David's newspapers. David and Lauren have exactly the same mass of newspapers. What is the mass of each child's newspapers?
- 2 Make up a similar newspaper-related problem for a partner to solve.

