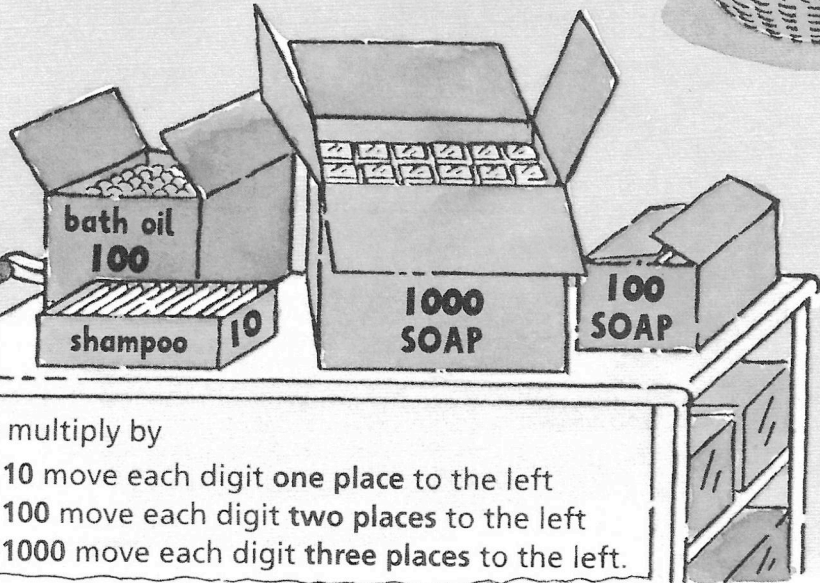
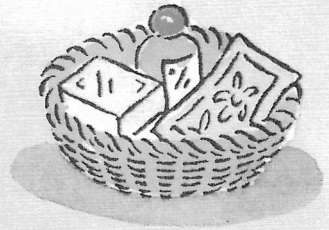


Decimals:  
multiplication  
by 10, 100, 1000

fr  
who



A steward replaces the toiletries in the cabins on Deck 4. These are packed in boxes of 10, 100 and 1000.



To multiply by

- 10 move each digit **one** place to the left
- 100 move each digit **two** places to the left
- 1000 move each digit **three** places to the left.

One bar of soap weighs 32.4g

10 bars weigh

$$32.4 \times 10 \\ = 324 \text{ g}$$

100 bars weigh

$$32.4 \times 100 \\ = 3240 \text{ g}$$

1000 bars weigh

$$32.4 \times 1000 \\ = 32400 \text{ g}$$

Find mentally.

- 1 (a)  $3.8 \times 10$  (b)  $10 \times 3.08$  (c)  $13.6 \times 10$  (d)  $24.31 \times 10$   
 (e)  $10 \times 4.65$  (f)  $15.84 \times 10$  (g)  $10 \times 12.36$  (h)  $16.05 \times 10$
- 2 (a)  $2.45 \times 100$  (b)  $100 \times 3.06$  (c)  $7.8 \times 100$  (d)  $6.4 \times 100$   
 (e)  $14.96 \times 100$  (f)  $100 \times 26.04$  (g)  $36.4 \times 100$  (h)  $100 \times 82.5$
- 3 (a)  $2.61 \times 1000$  (b)  $2.7 \times 1000$  (c)  $1000 \times 24.09$  (d)  $1000 \times 26.73$   
 (e)  $3.9 \times 1000$  (f)  $14.8 \times 1000$  (g)  $1000 \times 72.93$  (h)  $1000 \times 42.85$



- 4 Find the volume of shampoo in  
 (a) 10 sachets (b) 100 sachets (c) 1000 sachets.
- 5 Find the volume of bath oil in  
 (a) 10 bottles (b) 100 bottles (c) 1000 bottles.

- 6 (a)  $43.1 \times 10$  (b)  $8.9 \times 100$  (c)  $1000 \times 3.4$  (d)  $6.91 \times 1000$   
 (e)  $8.35 \times 10$  (f)  $100 \times 6.42$  (g)  $26.32 \times 1000$  (h)  $16.43 \times 10$

R13

H20