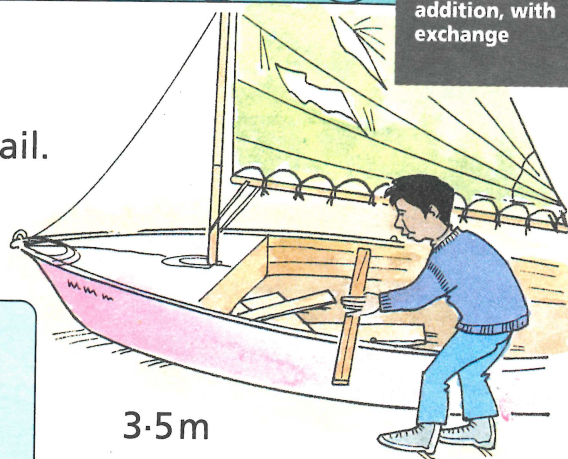


Janet and Vijay repair boats.

Janet uses 2 pieces of cloth to repair the sail.  
The pieces are 2.7m and 3.5m long.



**Add the tenths.** 7 and 5 is 12 tenths.  
Exchange for 1 unit and 2 tenths.

**Add the units.** 1 and 2 gives 3 and  
another 3 is 6 units.

She uses **6.2 metres** of cloth.

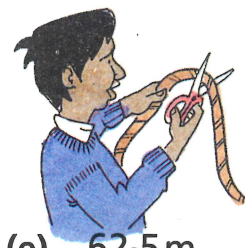
$$\begin{array}{r} 3.5\text{m} \\ + 2.7\text{m} \\ \hline 6.2\text{m} \\ \hline 1 \end{array}$$

**1** Add these lengths of sailcloth.

(a) 1.6m	(b) 6.4m	(c) 2.5m	(d) 0.5m	(e) 2.7m
<u>+ 2.5m</u>	<u>+ 1.9m</u>	<u>+ 0.7m</u>	<u>+ 4.8m</u>	<u>+ 1.3m</u>

**2** (a) 4.5m + 2.6m    (b) 5.8m + 2.4m    (c) 2.3m + 4.6m + 1.7m  
(d) 6.7m + 0.5m    (e) 1.9m + 7m    (f) 3.5m + 0.2m + 4.3m

**3** Vijay cuts a rope into 2 pieces, 11.8m and 14.5m long.  
What was the length of the rope before he cut it?



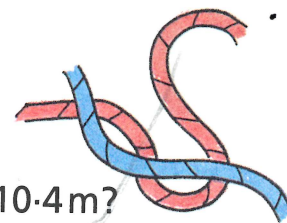
**4** Add these lengths of rope.

(a) 23.7m	(b) 14.5m	(c) 41.3m	(d) 35.8m	(e) 62.5m
<u>+ 15.4m</u>	<u>+ 32.5m</u>	<u>+ 25.6m</u>	<u>+ 7.2m</u>	<u>+ 8.8m</u>

**5** What was the length of each rope before Vijay cut it into these pieces:



Red rope	12.4m	1.6m	0.7m	23.5m
Blue rope	18.4m	12.5m	3.9m	21.3m
				10.4m?



**6** Which 3 pieces give a total length of (a) 12.9m    (b) 15.8m?

Problem solving

