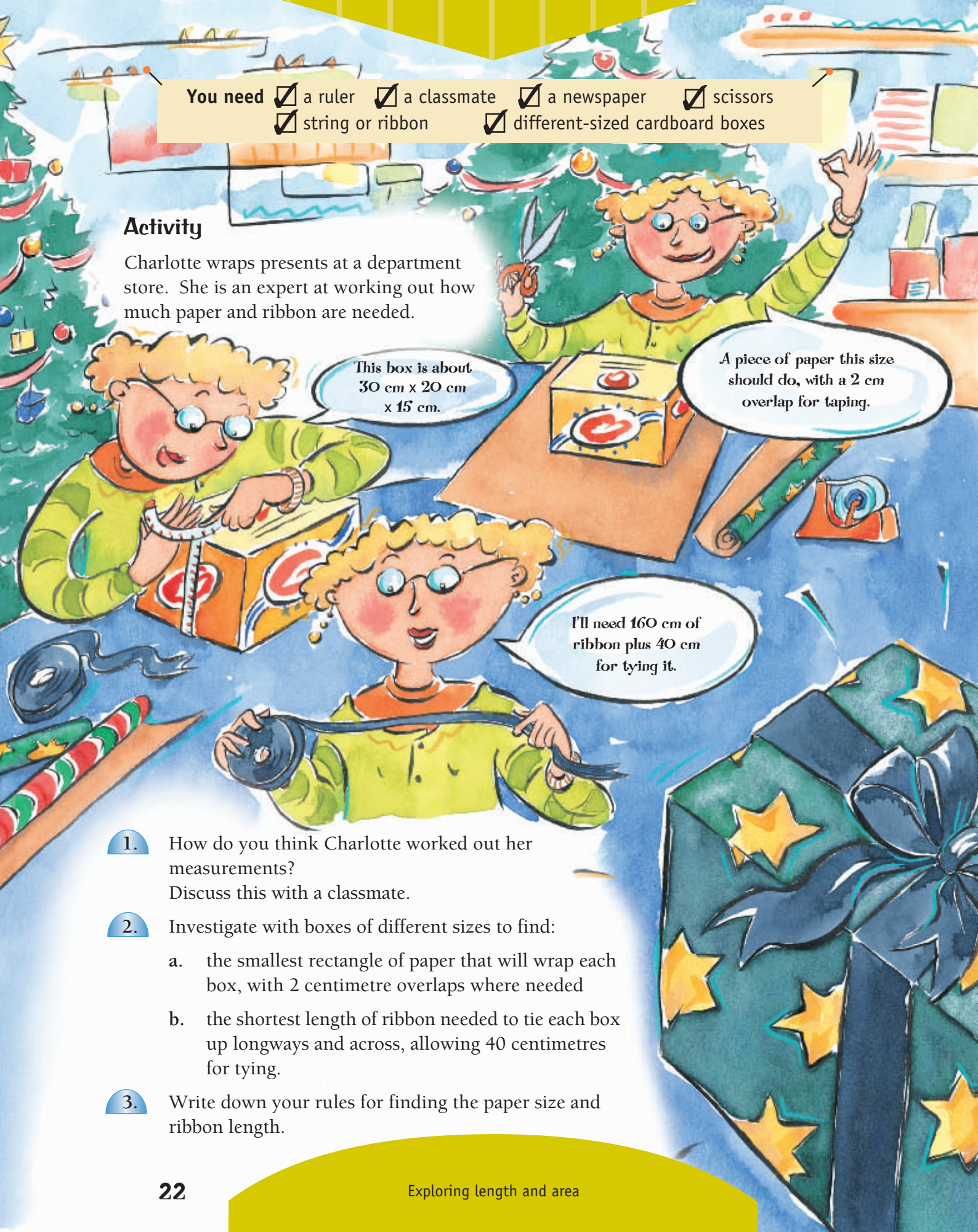


It's a Wrap

You need a ruler a classmate a newspaper scissors
 string or ribbon different-sized cardboard boxes

Activity

Charlotte wraps presents at a department store. She is an expert at working out how much paper and ribbon are needed.



This box is about
30 cm x 20 cm
x 15 cm.

A piece of paper this size
should do, with a 2 cm
overlap for taping.

I'll need 160 cm of
ribbon plus 40 cm
for tying it.

1. How do you think Charlotte worked out her measurements?
Discuss this with a classmate.
2. Investigate with boxes of different sizes to find:
 - a. the smallest rectangle of paper that will wrap each box, with 2 centimetre overlaps where needed
 - b. the shortest length of ribbon needed to tie each box up longways and across, allowing 40 centimetres for tying.
3. Write down your rules for finding the paper size and ribbon length.