

# Exemplars

Name: \_\_\_\_\_

P/S	R/P	Com	Con	Rep	A/Level

Circles and Stars ○

## Circles and Stars

Sophie is playing a game called Circles and Stars. Sophie rolls one number cube and gets the number six. Sophie draws six circles on her paper. Sophie rolls the number cube again and gets the number three. Sophie draws three stars in each of the six circles. Sophie writes  $6 \times 3$  on her paper. Sophie plays the game again. Sophie rolls one number cube and gets the number three. Sophie draws three circles on her paper. Sophie rolls the number cube again and gets the number six. Sophie draws six stars in each of the three circles. Sophie writes  $3 \times 6$  on her paper. Sophie says she got the same total number of stars both times! Is Sophie correct? Show all your mathematical thinking.