## **Getting in Shape**

## Activity

2.

A group of quadrilaterals like to keep in shape, so they work out at the local gymnasium.

- 1. a. Rectangle, Rhombus, and Square each have a locker to keep their gear in. Draw the shape that belongs to each locker.
  - **b**. Explain your decisions.

Each shape has a personalised training programme to firm up different features of their body without changing their basic shape.

- a. Which machines should Rhombus avoid, and why?
- **b.** Which machines should Rectangle avoid, and why?
- c. Which machines would not help Square, and why?

0

Equal diagonals

2

Classifying quadrilaterals

Equal sides

Equal angles

Diagonal equaliser Diagonal equaliser Ubuilds up diagonals to be the same length the same length

It's time for a shower! Each quadrilateral needs to choose a shower to go into.

Side trimmer makes each side the same length)

Rectangle Locker

> Four-sided Polisher (soft rub for all four sides)

Square

i

Right-angled corner shaper Right-angled (tones up right-angled corners)

3.

=

Rhombus

3

Reeps opposite sides parallel

10h

- a. It is a confusing choice for Square. Why?
- **b.** Which shower doors could Rectangle and Rhombus go into?

3