

1

Two group sort

Pairs take a tray of shapes and two hoops and sort them into two groups by a feature they choose. Every shape has to end up in a group, which is what stops a leftover pile forming.

"Sort these into two groups. What rule did you use?"

"Can you sort the same shapes a different way?"

2

Guess my rule

Sort a small set into two groups without saying the rule and hand a new shape over. Where the new shape goes tells you whether the rule has been worked out.

"I have sorted these already. Can you work out my rule?"

"Where would this new shape go?"

3

Odd one out

Put out three shapes where two share a feature and one does not, such as two circles and a square, or two four sided shapes and one three sided shape.

"Which one does not belong with the other two? Why?"

4

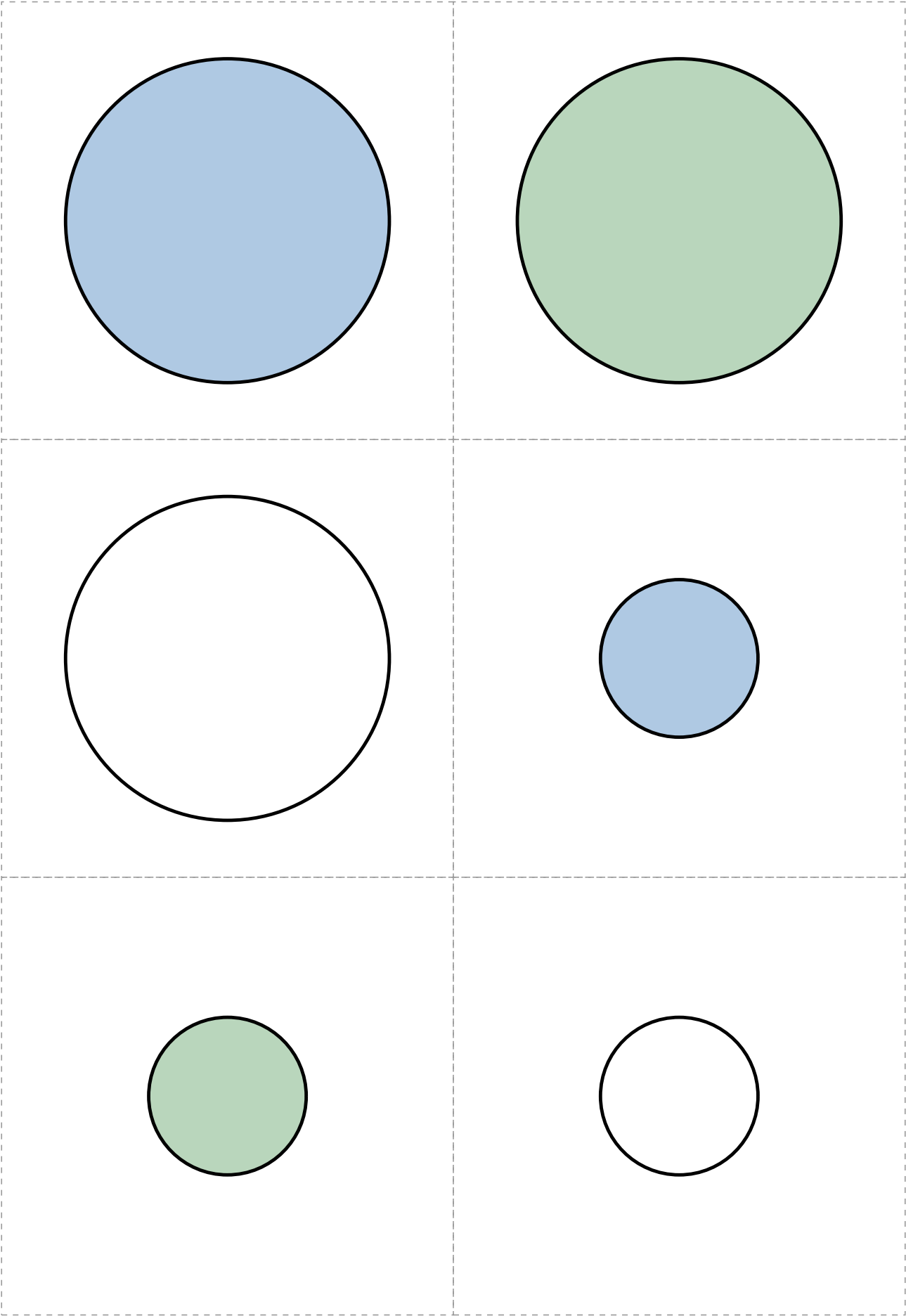
Judging by size, not shape

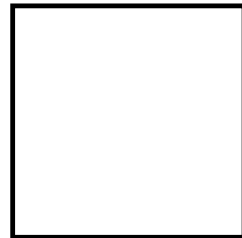
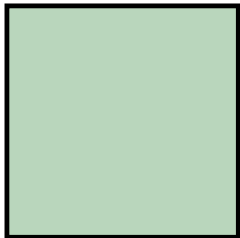
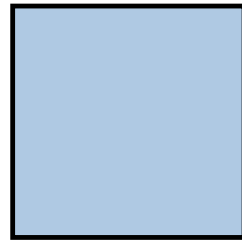
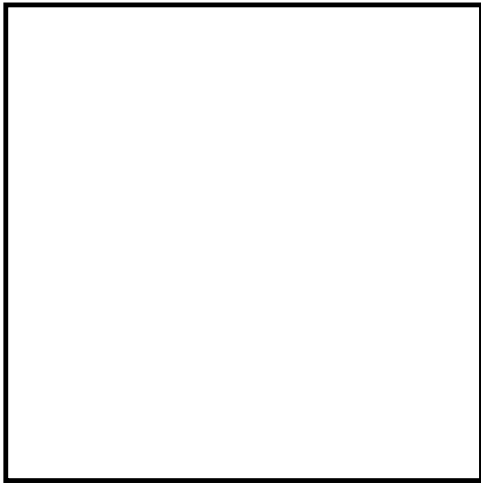
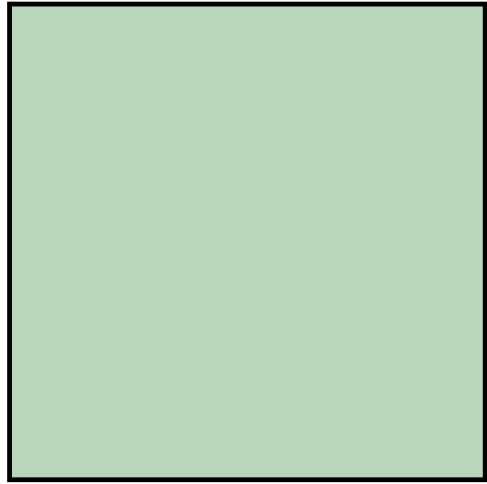
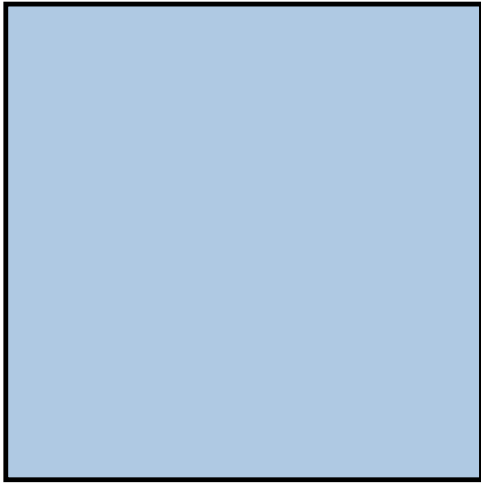
Hold up a tiny triangle and a huge one and announce that they must be different shapes because of the size difference. Students count the sides and corners of both.

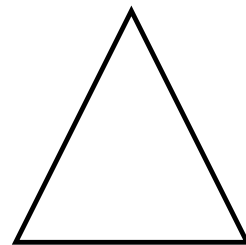
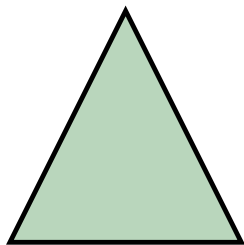
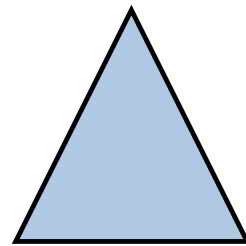
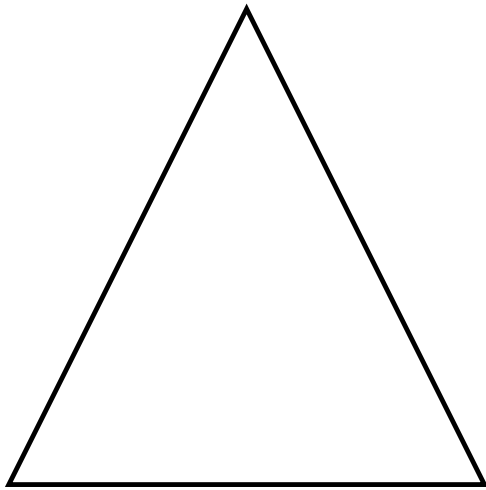
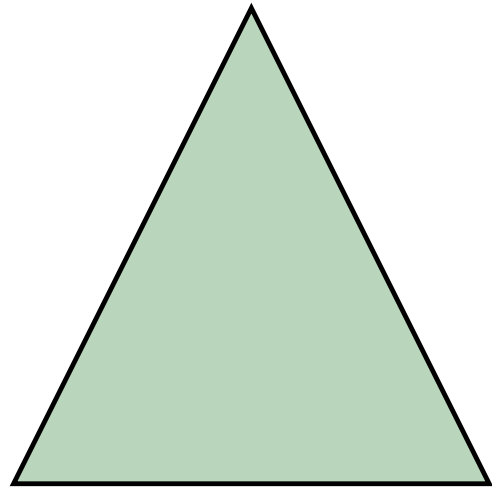
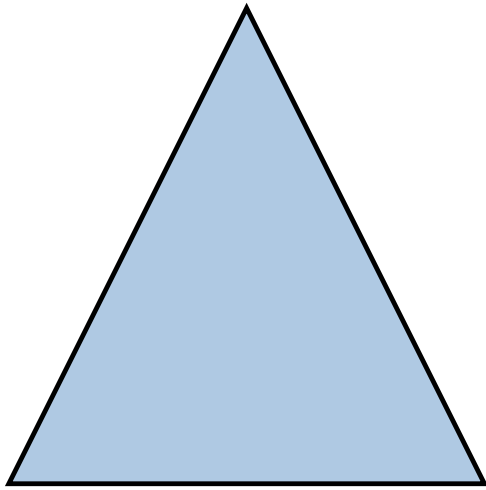
"This one is tiny and this one is huge, so they must be different shapes. Are they?"

"What did counting the sides tell you?"

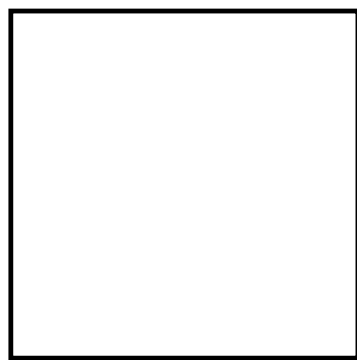
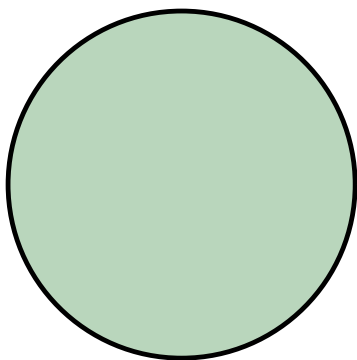
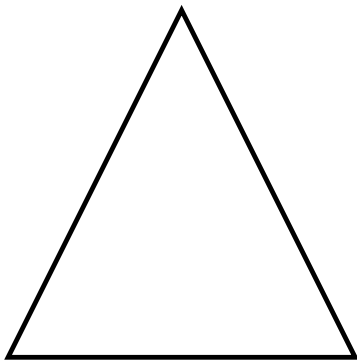
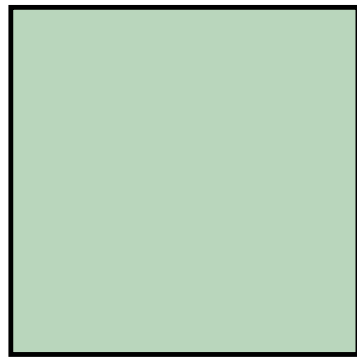
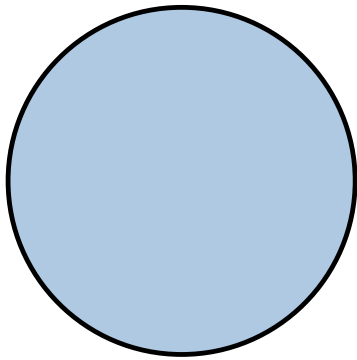
This activity should be done with a set of concrete shapes like these.

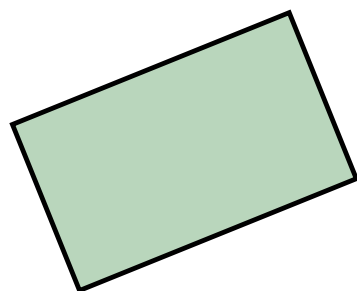
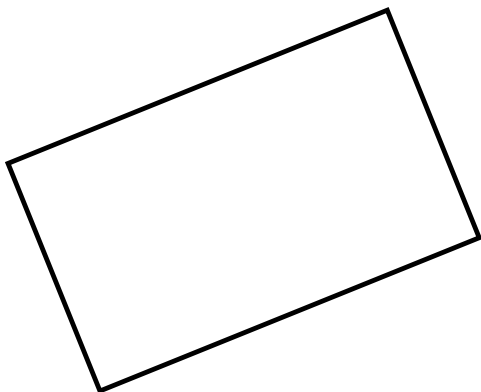
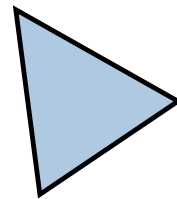
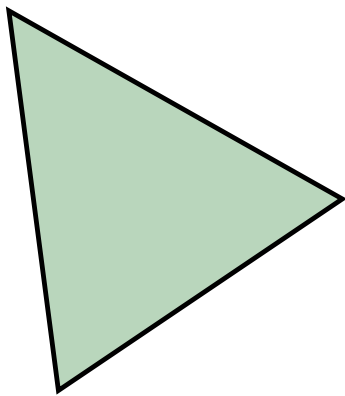
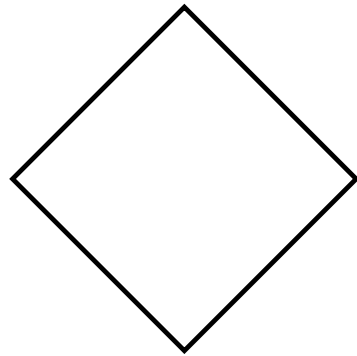
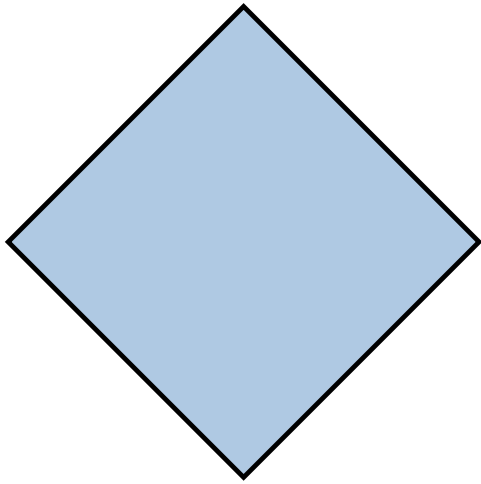


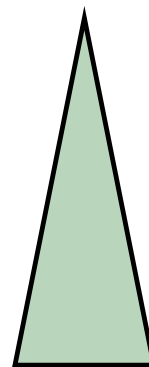
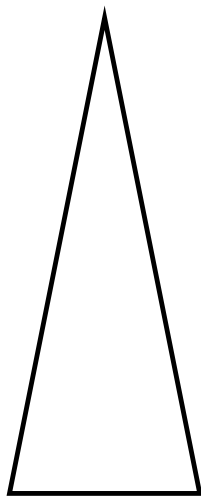
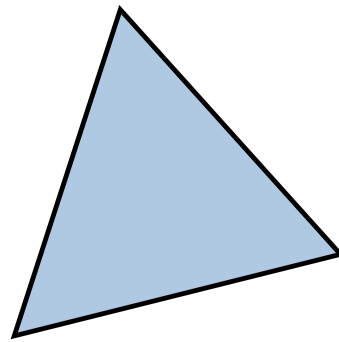
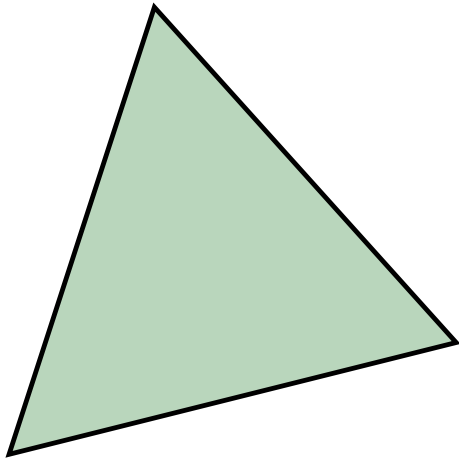


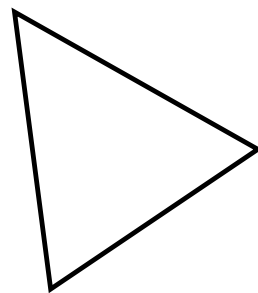
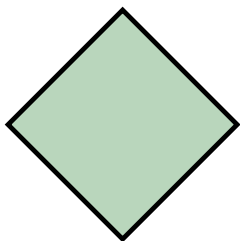
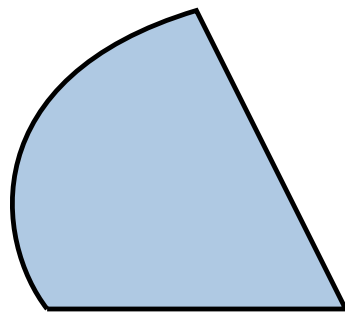
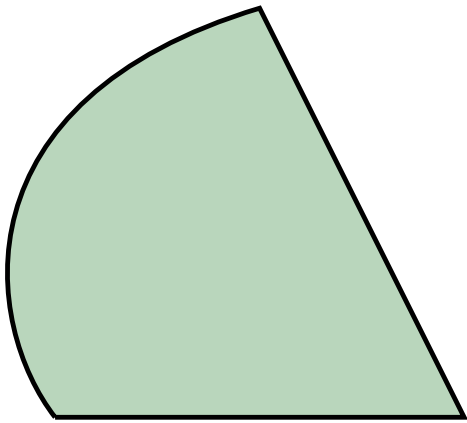
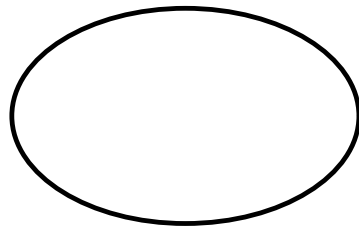
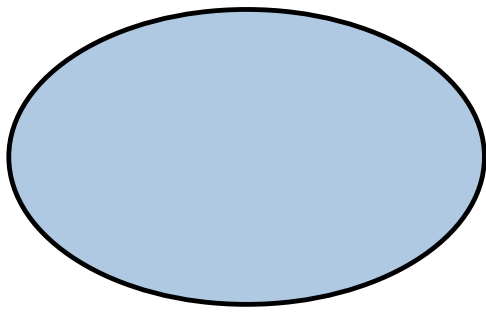












Rule cards

straight sides

a curved side

three sides

four sides

all sides the same

sides not all the same

big

small

corners

no corners

blue

green

Blank cards for rules the class chooses
