

Cutting Food — Answer Key

Q1 2 parts

One cut down the middle makes 2 equal parts, called halves.

Q2 4 parts

Halving the cake gives 2 parts, and halving each of those gives $2 + 2 = 4$ quarters.

Q3 8 pieces

Halving three times doubles the pieces each time: 2, then 4, then 8 eighths.

Q4 Match them together

Put one piece on top of the other. If the edges line up, the two pieces are equal halves.

Q5 One quarter

Four equal parts are called quarters, so one part is one quarter.

Q6 One piece each

There are 4 quarters and 4 friends, so each friend gets 1 piece.

Q7 A quarter

A quarter is one of 4 parts and an eighth is one of 8, so the quarter is the bigger piece.

Q8 3 times

Halve it once for 2, again for 4, and again for 8, so 3 cuts in all.

Q9 The parts are not equal · ENRICH

Quarters must all be the same size. One big part means the pizza was not shared equally.

Q10 Halve it three times · ENRICH

Cut it in half, cut each half in half to make quarters, then cut each quarter in half to make 8 equal parts.