



ADULT GUIDE · KEEP THIS PAGE

Find and make a quarter

England national curriculum · Year 1 · equal parts

What this pack helps with

Recognise that a quarter is one of four equal parts, make quarters of shapes, and find a quarter of quantities and lengths by sharing into four equal groups.

Start here

The child can recognise a half and can share a set fairly into two groups. Revisit the halves pack if equal parts are uncertain.

Use a pencil, four plates and up to 20 counters. Fold a square in half and in half again to make four equal parts.

Print and use

Print A4 at actual size (100%). Child pages: **2-6**. Answers and feedback: **7**. Colour is optional; every task works in black and white.

Model page 2 together. Ask “How do you know the parts are equal?” Accept folding, matching, sharing, drawing and spoken reasoning before written recording.

What to try next

Makes four unequal parts	Fold in half, check the edges match, then fold in half again.
Shares into two groups	Set out four plates and deal one counter to each in turn.
Colours more than one quarter	Count four equal parts and colour just one.
Works confidently	Find a different way to quarter a square and explain why the parts are equal.

Scope and source

Quarters of shapes, objects, exact quantities and lengths to 20. It does not introduce remainders, fraction calculations or equivalence beyond four quarters making one whole. Based on DfE Year 1 mathematics and primary mathematics guidance (England; OGL v3.0). Original TheLearnDen tasks and artwork; not an official assessment. Free to print and share.



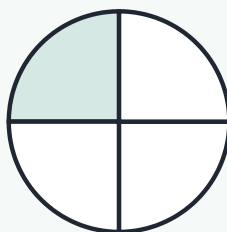
LEARN TOGETHER · EQUAL PARTS

Find and make a quarter

Name: _____ Date: _____

Try it together

Fold a square into four matching parts. Colour one part. One of four equal parts is one quarter.



Say the rule

One quarter means **one of 4 equal parts**. Equal parts must match in size.



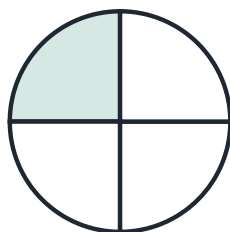
Point to the shaded quarter. How could you check the parts are equal?



PRACTISE WITH SUPPORT · QUARTERS

Spot equal quarters

- 1 Is the shaded part one quarter?
Circle yes or no. Explain why.

☐ yes☐ no

- 2 Is the shaded part one quarter?
Circle yes or no. Explain why.

☐ yes☐ no



PRACTISE WITH SUPPORT · QUARTERS

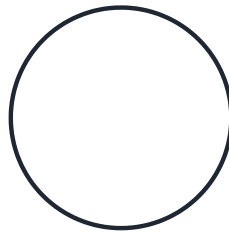
Make a quarter

- 3 Split the square into 4 equal parts.
Shade one quarter.



A dashed rectangular box for writing or drawing.

- 4 Split the circle into 4 equal parts.
Shade one quarter.



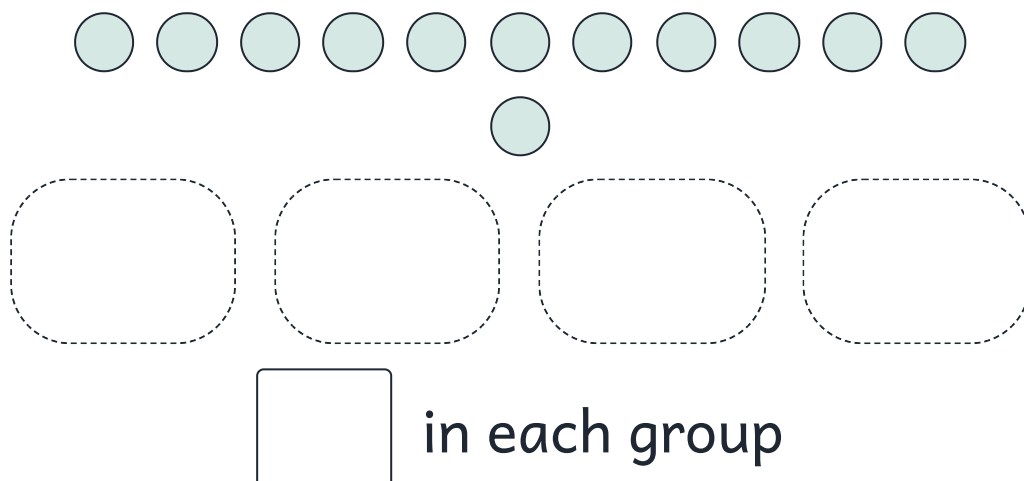
A dashed rectangular box for writing or drawing.



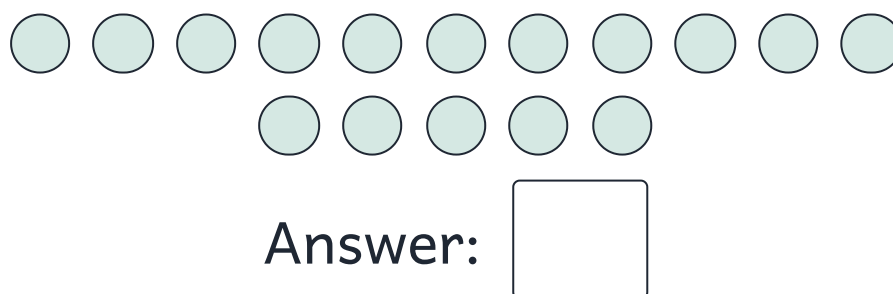
PRACTISE WITH SUPPORT · QUARTERS

Quarter of a quantity

- 5 Share 12 counters equally into 4 groups. How many in each?



- 6 Find a quarter of 16.
Draw rings around equal groups.





REASON AND EXPLAIN · QUARTERS

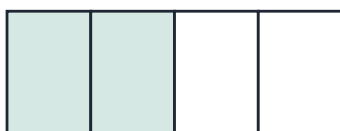
Quarter in a problem

- 7 A ribbon is 20 cm long.
What is a quarter of its length?



cm

- 8 Which model shows one quarter?
Circle A, B or C and explain.

A**B****C**



ADULT ANSWER GUIDE

Answers and next steps

Ask the child to show that parts are equal by folding, matching, counting or fair sharing. Scribe when writing is the barrier. Record support; this is teaching practice.

- 1** **Yes** The circle has four equal parts and exactly one is selected.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 2** **No** The four parts are not all equal, so the selected part is not a quarter.
Accept “no” with a reason that one part is a different size.
- 3** **Shade 1 of 4 equal parts.** Shade one of the four equal parts.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 4** **Shade 1 of 4 equal parts.** Shade one of the four equal parts of the circle.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 5** **3** Twelve shared equally into four groups gives three in each group.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 6** **4** A quarter of sixteen objects is four.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 7** **5** A quarter of twenty centimetres is five centimetres.
Accept the independently checked answer and the requested equal-part model or spoken explanation.
- 8** **B** Only model B selects one of four equal parts.
Accept B and a reason that it shows one of four equal parts.

My practice trail



One thing to practise next: _____