



ADULT GUIDE · KEEP THIS PAGE

Number bonds and fact families

England national curriculum · Year 1 · within 20

What this pack helps with

Build wholes from two parts, then connect each addition fact to its related subtraction facts. Work within 20 and include zero.

Start here

The child can count a set to 20. If not, begin with real counters and totals to 5.

Use a pencil and up to 20 counters or small blocks. Let the child move objects before writing. Read prompts aloud when needed.

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. Pages may be used separately.

Model page 2 together. Let the child move objects before writing. Accept spoken, drawn or practical explanations and note any help; this is teaching practice, not a standardised test.

What to try next

Counts both parts from one each time	Build each part in a separate hoop, slide them together, then say the whole.
Writes the whole in a part box	Name the top circle “whole” and the two lower circles “parts”; rebuild with counters.
Cannot find a missing part	Build the whole, cover the known part and count what is left.
Works confidently	Shuffle fact-family cards and ask for all four related equations without rebuilding.

Scope and source

Focused number-bond and related-fact practice within 20. It does not establish instant recall of every fact or cover calculations above 20. 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.



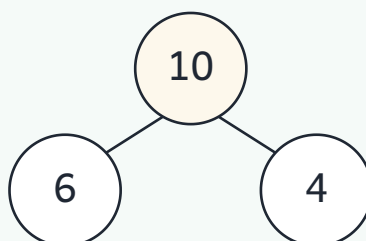
LEARN TOGETHER · WITHIN 20

Number bonds and fact families

Name: _____ Date: _____

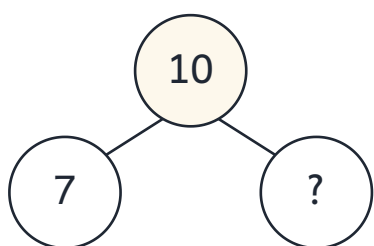
Try it together

Six red counters and four blue counters make ten altogether: $6 + 4 = 10$. Starting with 10 and taking away 6 leaves 4: $10 - 6 = 4$.

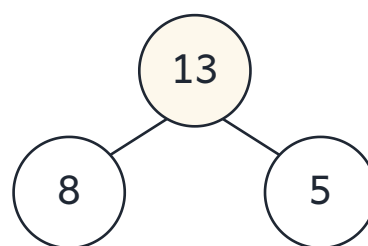


$$6 + 4 = 10 \quad 10 - 6 = 4$$

Build, say, write



Use counters to find the missing part.



Say two addition and two subtraction facts.

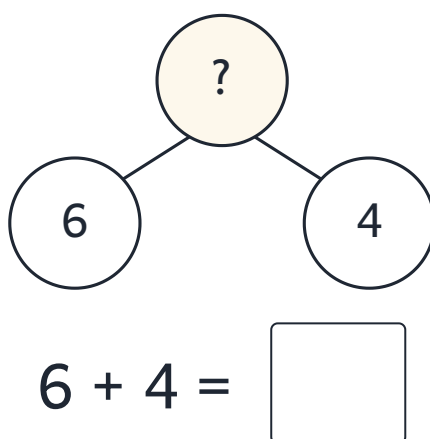
Whole = both parts together. Subtraction can undo addition.



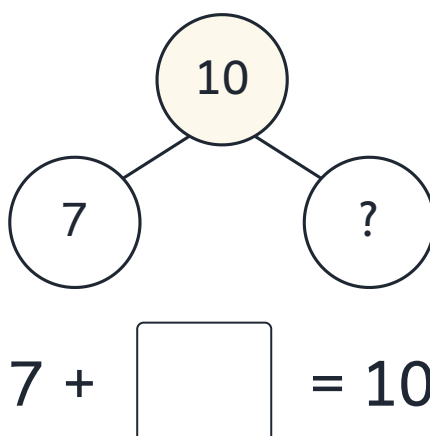
PRACTISE INDEPENDENTLY · WITHIN 20

Make the whole

- 1 The parts are 6 and 4.
Write the whole.



- 2 The whole is 10. One part is 7.
Find the missing part.



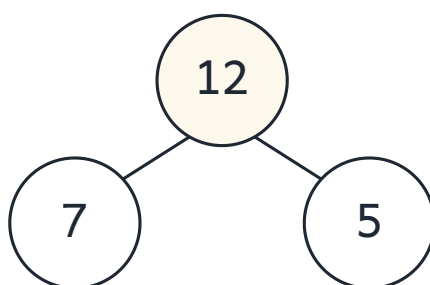


PRACTISE INDEPENDENTLY · WITHIN 20

Find the missing part

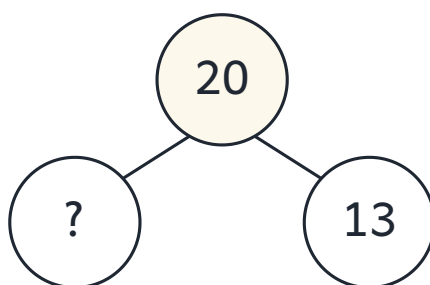
3 Use 7, 5 and 12.

Write the four related facts.



4 The whole is 20. One part is 13.

Find the missing part.



$$13 + \square = 20$$



PRACTISE INDEPENDENTLY · WITHIN 20

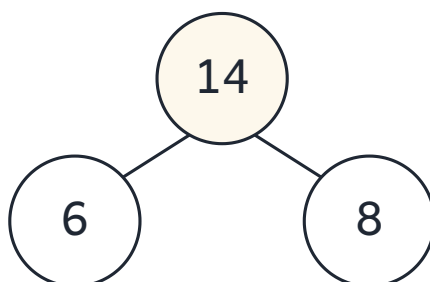
Use related facts

5 $6 + 8 = 14.$

Complete the related subtraction.

$$14 - 6 = \square$$

Use the same whole and parts.



6 Complete the equation.

Show what adding zero does.

$$9 + 0 = \square$$



REASON AND EXPLAIN · WITHIN 20

Check and explain

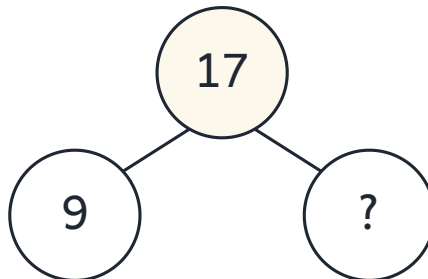
7 Sam says, “ $8 + 7 = 16$.”

Is Sam right? Show how you know.

$$8 + 7 = \square$$

8 The whole is 17. One part is 9.

Draw counters for the missing part.





ADULT ANSWER GUIDE

Answers and next steps

Ask the child to show how they know. Accept counters, pictures, jumps, equations or a clear spoken explanation. Scribe when writing is the barrier.

- 1** **10** Six and four make ten. Write 10 in the whole.
Accept the independently checked number and a matching model or spoken explanation when requested.
- 2** **3** Build 10, move 7 into the known part, and count the 3 left.
Accept the independently checked number and a matching model or spoken explanation when requested.
- 3** **7 + 5 = 12; 5 + 7 = 12; 12 - 7 = 5; 12 - 5 = 7** The same three numbers make two addition facts and two subtraction facts.
Accept the four equations in any order, with exactly 7, 5 and 12.
- 4** **7** Thirteen and seven make twenty.
Accept the independently checked number and a matching model or spoken explanation when requested.
- 5** **8** Because $6 + 8 = 14$, taking 6 from 14 leaves 8.
Accept the independently checked number and a matching model or spoken explanation when requested.
- 6** **9** Adding zero changes nothing: $9 + 0 = 9$.
Accept the independently checked number and a matching model or spoken explanation when requested.
- 7** **No; the total is 15.** Eight and seven make fifteen, so the claim of sixteen is not correct.
Accept “no” with 15 and a model, count-on strategy or related known fact.
- 8** **8** Nine and eight make seventeen.
Accept 8 clearly drawn or placed in the missing part and a correct check that $9 + 8 = 17$.

My practice trail

Optional: colour one circle for each question tried and discussed. This records practice, not a test score.



One thing to practise next: _____