Age Puzzle

MathApex

Name: _____ Date: _____

Watch video

From the video Together 14, one is 2 years older → 14 − 2 = 12, **12 ÷ 2 = 6** and 8

1 Now it's your turn!

Mia is 4 years older than Ben. Together they are 20. How old is Ben?



Take away the difference, then both are the same age: halve it.

20 − 4 = ☐ **16 ÷ 2 =** ☐ **years**

2 Together and older than.

a) Anna is 8 years older than Max. Together they are 24. How old is Max?

☐ **years**

b) Lina is 6 years older than Tom. Together they are 30. How old is Tom?

☐ **years**

c) Leo is 4 years older than Mia. Together they are 16. How old is Mia?

☐ **years**

3 Twice as old.

a) Grandma is twice as old as Mama. Together they are 27. How old are they both?

Mama: ☐ **Grandma:** ☐

b) Papa is twice as old as the child. Together they are 36. How old are they both?

Child: ☐ **Papa:** ☐

4 Trying with a table.

Anna is 8 years older than Max, together 24. Try it in the table.

Max	Anna	together
4	☐	☐
7	☐	☐
8	☐	☐

5 Think backwards.

Check every task: are the difference and the sum right?

Brain teaser

Three siblings: the middle child is 3 years older than the youngest, the oldest is 2 years older than the middle one. Together they are 25. How old is the youngest?

6 Strip diagrams.





Write the ages in the strips.

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MATH STORY 79 · ANSWERS

Age Puzzle

Watch video

1 Now it's your turn!

20 − 4 = 16, 16 ÷ 2 = 8: Ben 8, Mia 12

2 Together and older than.

24 − 8 = 16, 16 ÷ 2 = 8: Max 8, Anna 16
30 − 6 = 24, 24 ÷ 2 = 12: Tom 12, Lina 18
16 − 4 = 12, 12 ÷ 2 = 6: Mia 6, Leo 10

3 Twice as old.

27 ÷ 3 = 9: Mama 9, Grandma 18
36 ÷ 3 = 12: Child 12, Papa 24

4 Trying with a table.

Max 8, Anna 16, together 24

5 Think backwards.

Check: the difference and the sum must both be right.

★ Brain teaser

youngest 5, middle 8, oldest 10

25 − 3 − 5 = 15, 15 ÷ 3 = 5.

6 Strip diagrams.

30 − 6 = 24, 24 ÷ 2 = 12: Tom 12, Lina 18
27 ÷ 3 = 9: Mama 9, Grandma 18

For parents and teachers: This worksheet goes with the video "Age Puzzle" (Math Story 79, Grade 4). Age puzzles: subtract the difference from the sum, then halve. Strip diagrams make this visible.

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