

Age & Gap Problems

CKSTEM Math Problem Solving · Grades 2–8

Try each problem on your own first — then watch the solution videos.

★ The Gap Never Closes

A dad is 30 years old and his daughter is 6. Every year they both have a birthday. How much older than his daughter is the dad this year? What about in five years? What about three years ago?

WORK IT OUT HERE

LO Slide the Whole Timeline

A puppy named Pebble is 2 years old. Her big brother dog, Bruno, is 9. How old will each of them be in five years — and what is the gap then?

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L1 Meet in the Middle

Two cousins' ages add up to 30. One cousin is 4 years older than the other. How old is each cousin?

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L2 The Gap in Parts

Nadia is 4 times as old as her little cousin Theo, and 15 years older than him. How old is each of them right now?

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L3 Two Equal Hops

Leo is 9 years old. His grandpa says, "When you are as old as I am right now, I will be 67." How old is Grandpa today?

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L4 When Does the Multiple Hit?

Theo is 40 years old and his daughter Lily is 10. In how many years will Theo be exactly twice as old as Lily?

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L5 Age Detective

A family of four — mum, dad, big sister, and a baby — have ages that add up to 80 now. Five years ago, their ages added up to 63. How old is the baby?

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L6 Two Snapshots, One Gap

Maria is 3 times as old as her little brother. In four years, she will be only twice as old as him. How old is each of them right now?

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L7 Digits & Ages

A grandmother and her granddaughter's ages use the same two digits, just flipped. The two ages add up to 88, and Grandma is 54 years older. How old is each?

WORK IT OUT HERE

L8 Average Age

A family of five has an average age of 24 right now. In six years, what will their average age be? And if a 54-year-old grandparent joins today, what is the family's average then?

WORK IT OUT HERE