## HANDS-ON EQUATIONS® VERBAL PROBLEMS Introductory Workbook

By Henry Borenson, Ed.D.

Todd is 8 years older than his little sister Kate. If the sum of their ages is 20, how old is each?



- Begin as early as the 3rd grade
- A graduated progression of 27 lessons
- Three examples per lesson
- Work template included with each example

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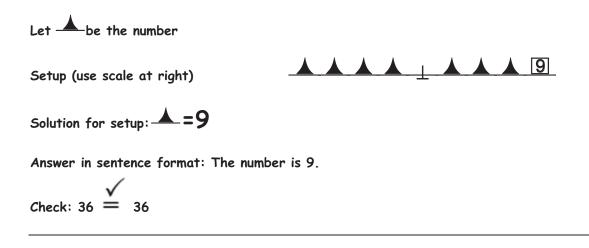
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	Name:	Grade:	Date:			
16.	Two boxes of pencils and three many pencils are in each box?	loose pencils yield	a total of 13 pencils. How			
	Let <u>be</u>					
	Setup (use scale at right)		<u> </u>			
	Solution for setup: 📥 =					
	Answer in sentence format:					
	Check:					
17.	. Three sets of cards, each containing the same number of cards, were spread out and added to 5 loose cards, giving a total of 26 cards. How many cards were in each set?					
	Let <u>be</u>					
	Setup (use scale at right)		<u> </u>			
	Solution for setup: 📥 =					
	Answer in sentence format:					
	Check:					
18.	Five packets of balloons and 4 lo balloons are in each packet?	oose balloons yield	59 balloons. How many			
	Let be					
	Setup (use scale at right)		<u> </u>			
	Solution for setup: 📥 =					
	Answer in sentence format:					
	Check:					

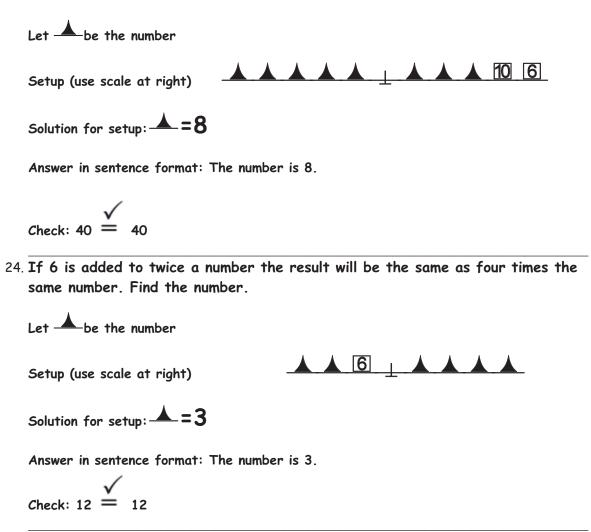
	Name:	Grade:	Date:	_
58.	The side of a square is x. If the	e perimeter is 36 cm, ho	ow long is each side?	
	Let the side of the square be			
	Setup (use scale at right)		<u> </u>	_
	Solution for setup: 📥 =			
	Answer in sentence format:			
	Check:			
59.	The side of a square is 2x + 1. ] Let the side of the square be	If the perimeter is 44,	how much is x?	
	Setup (use scale at right)			
	Solution for setup:			
	Answer in sentence format:			
	Check:			
60.	The side of a square is 5x + 2. ]	If the perimeter is 68,	how much is x?	
	Let the side of the square be			
	Setup (use scale at right)		L	
	Solution for setup: 📥 =			
	Answer in sentence format:			
	Check:			

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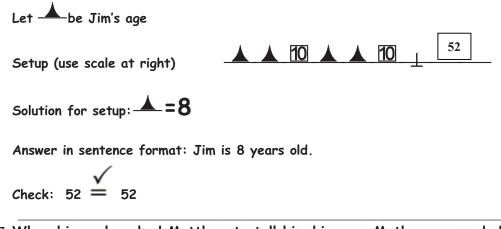
22. Four times a number gives the same result as three times the same number, increased by 9. Find the number.



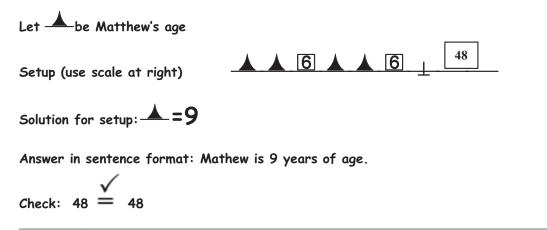
23. Five times a number is the same as three times the same number, increased by 16. Find the number.



46. Jim said, "If you take my age, double it, add 10, and then double the result, you get 52." Can you find Jim's age?



47. When his uncle asked Matthew to tell him his age, Mathew responded with a puzzle, "If you take my age, double it, add 6, and then double the answer, you get 48." Can you find Mathew's age?



48. Three times a number, increased by 35, then doubled, is 100. Find the number.

