

Arithmetic

1. $5,550 \div 6$

2. $(37 + 19) \times 2$

3. $\frac{2}{9} \div 7$

4. 1.1×5.3

Practice: Forming and Solving One Step Equations

5. Recap: Explain what the = sign means.



6. Using y to represent the missing number, write this as an algebraic equation.

I think of a number. I subtract 5. My answer is 20.

7. Write this as an algebraic equation.

I think of a number. I multiply it by 2 and add 3. My answer is 5.

8. Write this as an algebraic equation.

I think of a number. I divide it by 10 and subtract 2. My answer is 6.

9. Solve the equation to find y .

$$y + 7 = 11$$

10. Explain how to find y in this equation.

$$y - 5 = 20$$



11. Solve the equation to find y .

$$5y = 25$$

12. Solve the equation to find y .

$$22 = 30 - y$$

13. Cindy is trying to find y in this expression. $\frac{y}{2} + 7 = 13$.

She thinks $y = 10$.

Explain her mistake.



Challenge

14. Complete the table below using the information given.

w	$5w$	$5w - 8$
8		
	10	
		67



You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer												
1	$5,550 \div 6$	925												
2	$(37 + 19) \times 2$	112												
3	$\frac{2}{9} \div 7$	$\frac{2}{63}$												
4	1.1×5.3	5.83												
5	Explain what the = sign means.	The = sign does not mean 'the answer is'. It shows that the totals of each side of the symbol are equal.												
6	I think of a number. I subtract 5. My answer is 20.	$y - 5 = 20$												
7	I think of a number. I multiply it by 2 and add 3. My answer is 5.	$2y + 3 = 5$												
8	I think of a number. I divide it by 10 and subtract 2. My answer is 6.	$y/10 - 2 = 6$												
9	Solve the equation to find y.	$y = 4$												
10	Explain how to find y in this equation.	With this question, the answer is not as important as the explanation the pupil provides. To solve the calculation, use the inverse. $20 + 5 = 25$, therefore, $25 - 5 = 20$. $y = 25$												
11	Solve the equation to find y.	$y = 5$												
12	Solve the equation to find y.	$y = 8$												
13	Explain Cindy's mistake.	Cindy has added 13 and 7 then divided both by 2 instead of finding the inverse for each part of the expression. The correct answer is 12.												
14	Complete the table below using the information given.	<table border="1"> <thead> <tr> <th>w</th> <th>5w</th> <th>5w - 8</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>40</td> <td>32</td> </tr> <tr> <td>2</td> <td>10</td> <td>2</td> </tr> <tr> <td>15</td> <td>75</td> <td>67</td> </tr> </tbody> </table>	w	5w	5w - 8	8	40	32	2	10	2	15	75	67
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