

What Kind of TV Show Is Relaxing To Watch?

Simplify each expression, write your answer, then mark it in the answer columns. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the right.

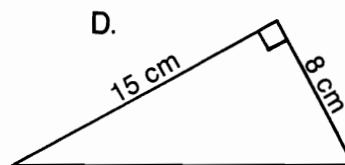
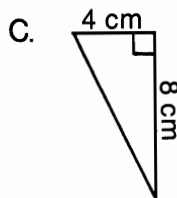
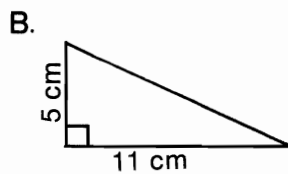
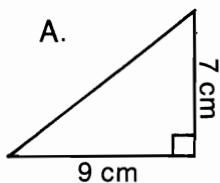
2	6	4	8	1	5	7	3
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1	<p>a. $10 + 6 \div 2$</p> <p>b. $(10 + 6) \div 2$</p> <p>c. $30 - 3 \cdot 4$</p> <p>d. $(30 - 3) \cdot 4$</p>	<p>(N) 8</p> <p>(O) 18</p> <p>(R) 13</p> <p>(C) 10</p> <p>(D) 108</p>
2	<p>a. $3 \cdot 8 + 7$</p> <p>b. $3(8 + 7)$</p> <p>c. $10 \cdot 3^2 - 4$</p> <p>d. $\frac{20 + 30}{12 - 7}$</p>	<p>(A) 54</p> <p>(G) 45</p> <p>(P) 10</p> <p>(C) 31</p> <p>(E) 86</p>
3	<p>a. $50 + 24 \div 6 \cdot 2$</p> <p>b. $50 + 24 \div (6 \cdot 2)$</p> <p>c. $17 - 5 \cdot 4 \div 2$</p> <p>d. $(17 - 5) \cdot 4 \div 2$</p>	<p>(B) 58</p> <p>(R) 24</p> <p>(M) 16</p> <p>(V) 52</p> <p>(J) 7</p>
4	<p>a. $5 \cdot 6 + 9 \cdot 4$</p> <p>b. $60 - 2^3 \cdot 5$</p> <p>c. $\frac{9}{3} + \frac{12}{4}$</p> <p>d. $\frac{9 + 12}{3 + 4}$</p>	<p>(F) 6</p> <p>(I) 7</p> <p>(U) 66</p> <p>(K) 3</p> <p>(N) 20</p>
5	<p>a. $4 + 5^2$</p> <p>b. $(4 + 5)^2$</p> <p>c. $32 - 16 \div 4 \cdot 2$</p> <p>d. $(32 - 16) \div (4 \cdot 2)$</p>	<p>(L) 81</p> <p>(O) 24</p> <p>(A) 11</p> <p>(E) 2</p> <p>(R) 29</p>
6	<p>a. $30 - [9 + 4(8 - 5)]$</p> <p>b. $11 - 3^2 + (11 - 3)^2$</p> <p>c. $\frac{10^2}{5} - \frac{6^2}{3}$</p> <p>d. $\frac{10^2 - 6^2}{5 - 3}$</p>	<p>(P) 66</p> <p>(V) 32</p> <p>(N) 8</p> <p>(G) 9</p> <p>(S) 58</p>
7	<p>a. $2[5 + 2(8 - 6)]$</p> <p>b. $3[20 - 4(2 + 1)]$</p> <p>c. $6 + 4^3 - 1^8$</p> <p>d. $(6 + 4)^3 - 1^8$</p>	<p>(R) 18</p> <p>(L) 115</p> <p>(D) 69</p> <p>(E) 999</p> <p>(W) 24</p>
8	<p>a. $\frac{13 + 7^2 \div 7}{9 - 20 \div 4 + 16}$</p> <p>b. $15 + (2^5 - 7) \cdot 3$</p> <p>c. $\frac{36}{2} + \frac{3 \cdot 21}{11 - 2}$</p> <p>d. $\frac{36 + 3 \cdot 21}{2 + 11 - 2}$</p>	<p>(N) 25</p> <p>(R) 90</p> <p>(X) 9</p> <p>(T) 22</p> <p>(S) 1</p>

What Do Two Bullets Have When They Get Married?

Work each problem and find your answers at the bottom of the page. Shade out the letter above each correct answer. When you finish, the answer to the title question will remain.

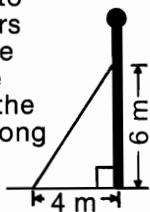
- ① Find the length of the hypotenuse of each right triangle:



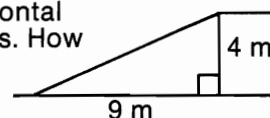
- ② A rectangle is 3 meters wide and 10 meters long. How long is the diagonal of the rectangle?
- ⑦ Each side of a checkerboard measures 40 cm. What is the length of its diagonal?

- ③ A rectangle is 13 centimeters wide and 18 centimeters long. How long is its diagonal?

- ④ A guy wire is attached to an upright pole 6 meters above the ground. If the wire is anchored to the ground 4 meters from the base of the pole, how long is the wire?

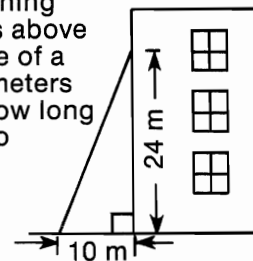


- ⑧ An inclined ramp rises 4 meters over a horizontal distance of 9 meters. How long is the ramp?



- ⑨ A box is 120 cm long and 25 cm wide. What is the length of the longest ski pole that could be packed to lie flat in the box?

- ⑩ The window of a burning building is 24 meters above the ground. The base of a ladder is placed 10 meters from the building. How long must the ladder be to reach the window?



T	H	E	F	B	I	H	A	S	B	E	D	B	U	G	S
$\sqrt{15025}$ cm = 122.6 cm	$\sqrt{493}$ cm = 22.2 cm	$\sqrt{80}$ cm = 8.94 cm	$\sqrt{676}$ m = 26 m	$\sqrt{52}$ m = 7.21 m	$\sqrt{130}$ cm = 11.4 cm	$\sqrt{289}$ cm = 17 cm	$\sqrt{514}$ km = 22.7 km	$\sqrt{97}$ m = 9.85 m	$\sqrt{15145}$ cm = 123.1 cm	$\sqrt{505}$ km = 22.5 km	$\sqrt{3200}$ cm = 56.6 cm	$\sqrt{664}$ m = 25.8 m	$\sqrt{146}$ cm = 12.1 cm	$\sqrt{109}$ m = 10.4 m	$\sqrt{1384}$ cm = 37.2 cm