

Year 5 Algebra Worksheet



- 1.** A. Solve for c .
- $$c - 6 = 11$$
- $$c =$$
- B. Solve for n .
- $$64 + n = 149$$
- $$n =$$
- C. Solve for a .
- $$a - (13 + 29) = 42$$
- $$a =$$
- D. Solve:
- $$6 \div 3 + 6 - 4 =$$
- E. Solve:
- $$3 \times 9 \div 3 - 3 =$$
- 2.** A. Write an expression for 133 more than u .
- B. Write an expression for b greater than 398.
- C. Write an expression for y subtracted from 263.
- D. Write an expression for r less than 308.
- 3.** A. Find the value of the expression
 $c + 10$
for $c = 8$.
- B. Find the value of the expression
 $q - 3$
for $q = 11$.
- C. Find the value of the expression
 $7 + d$
for $d = 10$.

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4. Elisabeth bought some boxes of donuts. There were 3 donuts in each box, and Elisabeth bought 81 donuts in all. Which equation, when solved, will tell how many boxes of donuts Elisabeth bought?
- A. $b + 3 = 81$
 - B. $b - 3 = 81$
 - C. $b \div 3 = 81$
 - D. $b \times 3 = 81$
5. At a hotel downtown, 57 rooms are occupied and the rest are empty. There are 63 rooms in the hotel. Which equation, when solved, will show how many empty rooms there are in the hotel?
- A. $57 \div r = 63$
 - B. $57 + r = 63$
 - C. $r + 63 = 57$
 - D. $57 \times 63 = r$
6. Tony bought some toy cars at a garage sale. He gave 30 cars to his sister and had 11 cars left. Which equation, when solved, will tell how many cars Tony bought at the garage sale?
- A. $c - 30 = 11$
 - B. $c - 41 = 11$
 - C. $11 - c = 30$
 - D. $30 - c = 11$
7. Mary had 63 bouncy balls, but she lost some at the playground. She has 26 bouncy balls left. Which equation, when solved, will show how many bouncy balls Mary lost on the playground?
- A. $b - 37 = 26$
 - B. $b + 63 = 26$
 - C. $b \div 63 = 26$
 - D. $63 - b = 26$
8. A group of tourists divided themselves among 2 boats for a river tour. There were 8 tourists on each boat. Which equation, when solved, will tell how many tourists were in the group?
- A. $t \div 2 = 8$
 - B. $2 \div t = 8$
 - C. $8 \div t = 2$
 - D. $t \times 8 = 2$

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9. The books at the library are split among 14 shelves. There are 7 books on each shelf. Which equation, when solved, will tell how many books are in the library?
- A. $b - 14 = 7$
 - B. $98 \div b = 7$
 - C. $b \div 14 = 7$
 - D. $7 \div 14 = b$