

**Practice Problems for Arithmetic**  
from [www.topmath.info](http://www.topmath.info)

1 Jack is 8 years old. Jack's aunt is 21 years older than Jack. How old will Jack's aunt be when Jack is 18 years old?

2 To the nearest tenth, what is  $10 + 1 \div 5 - 3$  ?

3 What is  $2 - 42 / 7$  ?

4 What is  $6 + 0$ ?

5 What is  $0 + 1$ ?

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6 What is  $2 - 0$ ?

7 What is  $22 - 11$ ?

8 What is  $3 \times 2$ ?

9 What is  $6 \times 4$ ?

10 What is  $80 \times 29$ ?

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11 What is  $2 \div 1$ ?

12 What is  $9 \div 9$ ?

13 What is  $2021 \div 47$ ?

14 The  $n$ th term in a certain sequence of numbers is defined to be  $7n + 10$  for all positive integer values of  $n$ . How much larger is item 51 in the sequence than item 39?

15 Richard has 5 times as much money as Gail, and Eric has 10 as much money as Richard. The total amount that they have is \$263.20; how much does Gail have?

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1 ANSWER: 39

2 ANSWER: 7.2

3 ANSWER: -4

4 ANSWER: 6

5 ANSWER: 1

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6 ANSWER: 2

7 ANSWER: 11

8 ANSWER: 6

9 ANSWER: 24

10 ANSWER: 2320

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11 ANSWER: 2

12 ANSWER: 1

13 ANSWER: 43

14 ANSWER: 84. EXPLANATION: Each item in the sequence is larger than the number before it by 7, because 7 is the number in front of the  $n$  in the formula. Going from item 39 to item 51 requires increasing by 7 exactly 12 times, so we simply multiply 7 by 12 to get the answer.

15 ANSWER: \$4.70. EXPLANATION: For every dollar that Gail has, Richard has 5, and Eric has 50. Therefore, every dollar that Gail has represents a total of 56 dollars. Dividing the total (\$263.20) by this value gives the amount that Gail has.