Mark the best answer.

1. Solve the equation $n + 8 = 32$. (16-1)

   A $n = 4$

   B $n = 8$

   C $n = 24$

   D $n = 40$

2. Which equation could be used to represent the table shown below? (16-4)

x	y
0	6
2	8
4	10
10	16

   A $y = 6x$

   B $y = x + 6$

   C $y = \frac{x}{6}$

   D $y = x - 6$

3. Solve the equation $15x = 60$. (16-2)

   A $x = 900$

   B $x = 45$

   C $x = 5$

   D $x = 4$

4. Which equation could be used to represent the table shown? (16-4)

x	y
0	0
1	5
2	10
3	15

   A $y = x + 4$

   B $y = 5x$

   C $y = \frac{x}{5}$

   D $y = x - 4$

5. Which equation could be used to represent the table shown? (16-5)

a	b
0	1
1	3
2	5
3	7

A $b = 2a - 1$

B $b = 2a + 1$

C $b = 2a$

D $b = 2a + 3$

6. Sandy made bracelets on 4 different days, and she used the same number of beads for each bracelet. She kept a record as shown below. How many more bracelets can she make if she has 80 beads left? (16-4)

Number of Beads	Number of Bracelets
20	2
40	4
60	6
100	10

A 70

B 18

C 10

D 8

7. Mr. Adams has a box containing 14 coins. The coins are either quarters, nickels, or dimes. In the box are 4 quarters. There are 4 times as many dimes as nickels. How many dimes are in the box? (16-3)

A 2

B 4

C 8

D 10

8. What step can be taken to get the x by itself on one side of the equation $x + 10 = 25$? (16-1)

A Add 10 to both sides of the equation.

B Subtract 10 from both sides of the equation.

C Multiply both sides of the equation by 10.

**D** Divide both sides of the equation by 10.

9. What step can be taken to get the variable n alone on one side of the equation $\frac{n}{6} = 24$? (16-2)

    A Multiply both sides of the equation by 6.

    B Divide both sides of the equation by 6.

    C Add 6 to both sides of the equation.

    D Subtract 6 from both sides of the equation.

10. What value will complete the table shown? (16-5)

x	$y = 3x - 10$	y
4	$y = 3(4) - 10$	2
6	$y = 3(6) - 10$	

    A 8

    B 12

    C 18

    D 28

11. Aidan is reading a book with 96 pages. He has read 75 pages. He drew the picture below to help him decide how many more pages he has to read.

96 pages

75   x

Number of pages
Aidan has read
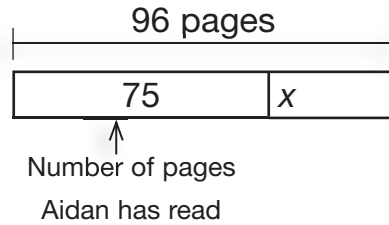
Which equation could he write to figure out how many more pages he has to read? (16-6)

    A $x + 75 = 96$

    B $75 + 96 = x$

    C $75x = 96$

    D $x - 75 = 96$

12. Which equation could be used to represent the relationship in the table below? (16-4)

x	y
2	10
4	20
6	30
8	40
10	50

    A $y = \frac{x}{5}$

    B $y = x + 5$

    C $y = x - 5$

    D $y = 5x$