

Algebraic Equations



Name Class Date

1

The sum of three and seven times a number equals thirty-eight.

Which equation states this correctly?

- $\mathbf{A} \ 3 + 7 + n = 38$
- **B** 7 + 3n = 38
- C 3 + 38 = 7n
- D 3 + 7n = 38

2

Five times a number reduced by six equals fifty-one.

Which equation states this correctly?

- **A** $5n \div 6 = 51$
- **B** 5n-6=51
- C6n-5=51
- **D** $6n \div 5 = 51$

3

5

Twenty-four is the quotient of two times a number divided by three.

Which equation states this correctly?

4

Forty-two is the product of seven times the sum of a number and two.

Which **equation** states this correctly?

A $2n \div 24 = 3$





PREVIEW

7

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- C 16
- D 00
- **D** 96

- **C** 13
- **D** 12

9

Solve the equation for x.

$$\frac{x}{-}$$
 + 6 = 11

- A 119
- **B** 35
- C 17
- D 2.4

10

Solve the equation for x.

$$\frac{x}{12} + 3 = 53$$

- A 4.2
- **B** 4.5
- C 600
- **D** 636



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Name Class Date The sum of three and seven times a 2 Five times a number reduced by six number equals thirty-eight. equals fifty-one. Which equation states this correctly? Which equation states this correctly? D B $\mathbf{A} \ 3 + 7 + n = 38$ **A** $5n \div 6 = 51$ **B** 7 + 3n = 38**B** 5n-6=51C 3 + 38 = 7nC6n-5=51D 3 + 7n = 38**D** $6n \div 5 = 51$ 3 Twenty-four is the quotient of two times a Forty-two is the product of seven times number divided by three. the sum of a number and two. Which equation states this correctly? Which equation states this correctly? \mathbf{C} D**A** $2n \div 24 = 3$ A 42 = 7n + 25 B **PREVIEW** Please Sign In or Sign Up to download 7 the printable version of this worksheet C 0.01 C 16 C 13 **D** 96 **D** 12 9 Solve the equation for x. 10 Solve the equation for x. $\frac{x}{12} + 3 = 53$ +6 = 11A 119 A 4.2 (\mathbf{C}) **B** 35 **B** 4.5 C 17 C 600 **D** 636 **D** 2.4