



## Algebra Meals - 3 Meals, 2 Items (Multiple, Simple Substitution, Simple Answer), to Equation

**1** Which equations represent what these meals cost

$$2(1 \text{ 🍎} + 3 \text{ 🍪}) = 22$$

$$2 \text{ 🍎} + 4 \text{ 🍪} = 18$$

$$1 \text{ 🍪} = ?$$

A  $2(a + 2p) = 22$   
 $2a + 4p = 18$   
 $7p = ?$

B  $2(a + 2p) = 22$   
 $2a + 4p = 18$   
 $5p = ?$

C  $2(a + 3p) = 22$   
 $2a + 4p = 18$   
 $p = ?$

D  $2(a + 2p) = 22$   
 $a + 4p = 18$   
 $2p = ?$

**2** Which equations represent what these meals cost

$$2 \text{ 🍗} + 2 \text{ 🍎} = 12$$

$$2(1 \text{ 🍗} + 4 \text{ 🍎}) = 30$$

$$1 \text{ 🍎} = ?$$

A  $5c + 4a = 12$   
 $2(c + 2a) = 30$   
 $3a = ?$

B  $2c + 2a = 12$   
 $2(c + 4a) = 30$   
 $a = ?$

C  $2c + 4a = 12$   
 $2(c + 4a) = 30$   
 $a = ?$

D  $5c + 4a = 12$   
 $2(c + 2a) = 30$   
 $a = ?$

**3** Which equations represent what these meals cost

$$6 \text{ 🍜} + 2 \text{ 🍩} = 30$$

$$2(2 \text{ 🍜} + 4 \text{ 🍩}) = 40$$

$$1 \text{ 🍩} = ?$$

A  $6n + 2d = 30$   
 $2(5n + 4d) = 40$   
 $d + n = ?$

B  $6n + 2d = 30$   
 $2(2n + 4d) = 40$   
 $d = ?$

C  $6n + 3d = 30$   
 $2(5n + 2d) = 40$   
 $n = ?$

D  $4n + 3d = 30$   
 $2(5n + 2d) = 40$   
 $4n = ?$

**4** Which equations represent what these meals cost

$$6 \text{ 🥗} + 1 \text{ 🍎} = 17$$

$$2(6 \text{ 🥗} + 2 \text{ 🍎}) = 44$$

$$1 \text{ 🍎} = ?$$

A  $6s + 3a = 17$   
 $2(7s + 2a) = 44$   
 $a = ?$

B  $6s + a = 17$   
 $2(11s + 2a) = 44$   
 $2s = ?$

C  $6s = 17$   
 $2(10s + 2a) = 44$   
 $s = ?$

D  $6s + a = 17$   
 $2(6s + 2a) = 44$   
 $a = ?$

**5** Which equations represent what these meals cost

$$2(2 \text{ 🍔} + 2 \text{ 🍪}) = 24$$

$$3 \text{ 🍔} + 1 \text{ 🍪} = 12$$

$$1 \text{ 🍪} = ?$$

A  $2(4h + 2p) = 24$   
 $2h + p = 12$   
 $4p = ?$

B  $2(2h + 2p) = 24$   
 $3h + p = 12$   
 $2p = ?$

C  $2(2h + 2p) = 24$   
 $3h + p = 12$   
 $p = ?$

D  $2(4h + p) = 24$   
 $2h = 12$   
 $2p = ?$

**6** Which equations represent what these meals cost

$$2(2 \text{ 🍪} + 4 \text{ 🥗}) = 52$$

$$4 \text{ 🍪} + 3 \text{ 🥗} = 27$$

$$1 \text{ 🥗} = ?$$

A  $2(2p + 4s) = 52$   
 $4p + 3s = 27$   
 $s = ?$

B  $2(2p + 2s) = 52$   
 $4p = 27$   
 $s + p = ?$

C  $2(2p + 2s) = 52$   
 $4p = 27$   
 $s = ?$

D  $2(2p + 2s) = 52$   
 $4p = 27$   
 $2s = ?$

**7** Which equations represent what these meals cost

$$2 \text{ 🍜} + 3 \text{ 🍔} = 10$$

$$3(1 \text{ 🍜} + 1 \text{ 🍔}) = 12$$

$$1 \text{ 🍔} = ?$$

A  $2n + 3h = 10$   
 $3(n + h) = 12$   
 $h = ?$

B  $2n + 3h = 10$   
 $3(n + h) = 12$   
 $4n = ?$

C  $2n + 3h = 10$   
 $3(n + h) = 12$   
 $n = ?$

D  $n + 3h = 10$   
 $3(3n + h) = 12$   
 $5n = ?$

**8** Which equations represent what these meals cost

$$4 \text{ 🍜} + 1 \text{ 🍩} = 17$$

$$3(4 \text{ 🍜} + 2 \text{ 🍩}) = 54$$

$$1 \text{ 🍩} = ?$$

A  $5n + d = 17$   
 $3(4n) = 54$   
 $3d = ?$

B  $5n = 17$   
 $3(3n) = 54$   
 $2d = ?$

C  $5n + d = 17$   
 $3(4n) = 54$   
 $d = ?$

D  $4n + d = 17$   
 $3(4n + 2d) = 54$   
 $d = ?$