



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

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

$$8 \text{ (donut)} = 32$$

$$3(2 \text{ (donut)} + 2 \text{ (chicken)}) = 30$$

$$1 \text{ (chicken)} = ?$$

A  $11d + c = 32$   
 $3(5c) = 30$   
 $3c = ?$

B  $8d = 32$   
 $3(2d + 2c) = 30$   
 $c = ?$

C  $10d + c = 32$   
 $3(7c) = 30$   
 $3c + d = ?$

D  $8d + c = 32$   
 $3(2c) = 30$   
 $2c = ?$

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

$$4(4 \text{ (donut)} + 4 \text{ (fries)}) = 112$$

$$5 \text{ (donut)} = 10$$

$$1 \text{ (fries)} = ?$$

A  $4(5d + 4f) = 112$   
 $5d = 10$   
 $2d + f = ?$

B  $4(4d + 4f) = 112$   
 $5d = 10$   
 $d = ?$

C  $4(4d + 4f) = 112$   
 $5d = 10$   
 $f = ?$

D  $4(3d + 4f) = 112$   
 $4d = 10$   
 $2d = ?$

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

$$4 \text{ (noodle)} = 16$$

$$3(2 \text{ (noodle)} + 3 \text{ (burger)}) = 60$$

$$1 \text{ (burger)} = ?$$

A  $2n + h = 16$   
 $3(4n + 4h) = 60$   
 $6h = ?$

B  $2n + 2h = 16$   
 $3(2n + 4h) = 60$   
 $3h = ?$

C  $2n = 16$   
 $3(2n + 4h) = 60$   
 $4h = ?$

D  $4n = 16$   
 $3(2n + 3h) = 60$   
 $h = ?$

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

$$8 \text{ (burger)} = 40$$

$$2(1 \text{ (burger)} + 1 \text{ (noodle)}) = 14$$

$$1 \text{ (noodle)} = ?$$

A  $8h = 40$   
 $2(h + s) = 14$   
 $h = ?$

B  $10h = 40$   
 $2(h + s) = 14$   
 $2h = ?$

C  $8h = 40$   
 $2(h + s) = 14$   
 $s = ?$

D  $10h + s = 40$   
 $2(h) = 14$   
 $2h + s = ?$

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

$$7 \text{ (apple)} = 28$$

$$2(4 \text{ (apple)} + 4 \text{ (donut)}) = 56$$

$$1 \text{ (donut)} = ?$$

A  $9a = 28$   
 $2(8a + 4d) = 56$   
 $4d = ?$

B  $8a = 28$   
 $2(5a + 4d) = 56$   
 $d = ?$

C  $8a = 28$   
 $2(5a + 4d) = 56$   
 $d + a = ?$

D  $7a = 28$   
 $2(4a + 4d) = 56$   
 $d = ?$

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

$$8 \text{ (chicken)} = 16$$

$$4(4 \text{ (chicken)} + 3 \text{ (noodle)}) = 56$$

$$1 \text{ (noodle)} = ?$$

A  $8c = 16$   
 $4(4c + 3n) = 56$   
 $2n = ?$

B  $10c = 16$   
 $4(4c + 6n) = 56$   
 $2n + c = ?$

C  $8c = 16$   
 $4(4c + 3n) = 56$   
 $n = ?$

D  $10c + n = 16$   
 $4(5c + 6n) = 56$   
 $2n + 4c = ?$

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

$$6 \text{ (noodle)} = 6$$

$$4(2 \text{ (noodle)} + 1 \text{ (chicken)}) = 20$$

$$1 \text{ (chicken)} = ?$$

A  $6s = 6$   
 $4(2s + n) = 20$   
 $n = ?$

B  $4s = 6$   
 $4(n) = 20$   
 $n = ?$

C  $4s = 6$   
 $4(n) = 20$   
 $s + n = ?$

D  $4s = 6$   
 $4(n) = 20$   
 $s = ?$

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

$$2(1 \text{ (fries)} + 4 \text{ (apple)}) = 18$$

$$3 \text{ (fries)} = 15$$

$$1 \text{ (apple)} = ?$$

A  $2(f + 4a) = 18$   
 $5f = 15$   
 $a = ?$

B  $2(f + 4a) = 18$   
 $5f = 15$   
 $2a = ?$

C  $2(f + 2a) = 18$   
 $7f = 15$   
 $f = ?$

D  $2(f + 4a) = 18$   
 $3f = 15$   
 $a = ?$