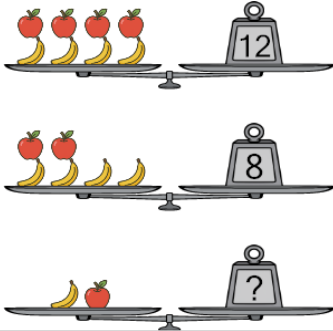




## Algebra Weights - 3 Scales, 2 Shapes (Complex Substitution, Compound

Answer), to Equation

1 Which equations represent what these scales are showing



A

$$4b + 4a = 12$$

$$4b + 2a = 8$$

$$b + a = ?$$

B

$$4b + 4a = 12$$

$$6b + 2a = 8$$

$$a = ?$$

C

$$4b + 4a = 12$$

$$6b + 2a = 8$$

$$3a = ?$$

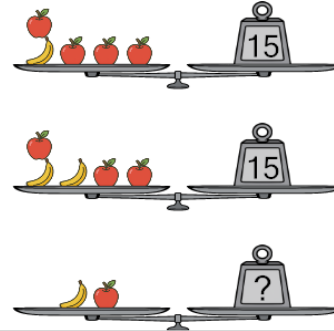
D

$$4b + 4a = 12$$

$$6b + 2a = 8$$

$$2b + a = ?$$

2 Which equations represent what these scales are showing



A

$$b + 4a = 15$$

$$2b + 3a = 15$$

$$b + a = ?$$

B

$$b + 4a = 15$$

$$2b + 3a = 15$$

$$2b + a = ?$$

C

$$b + 4a = 15$$

$$2b + 3a = 15$$

$$2b + a = ?$$

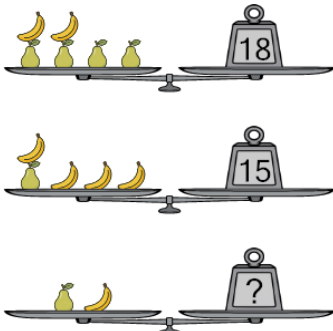
D

$$4b + 4a = 15$$

$$b + 3a = 15$$

$$b + 3a = ?$$

3 Which equations represent what these scales are showing



A

$$5p + 2b = 18$$

$$p + 4b = 15$$

$$p + b = ?$$

B

$$4p + 2b = 18$$

$$p + 5b = 15$$

$$b = ?$$

C

$$4p + 2b = 18$$

$$p + 5b = 15$$

$$p = ?$$

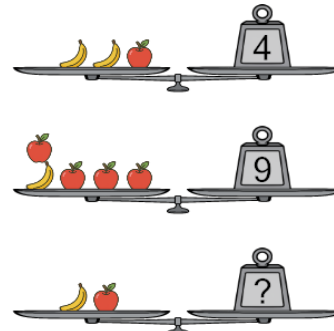
D

$$4p + 2b = 18$$

$$p + 4b = 15$$

$$p + b = ?$$

4 Which equations represent what these scales are showing



A

$$a + b = 4$$

$$3a = 9$$

$$a = ?$$

B

$$a + b = 4$$

$$3a = 9$$

$$b = ?$$

C

$$2b + a = 4$$

$$b + 4a = 9$$

$$b + a = ?$$

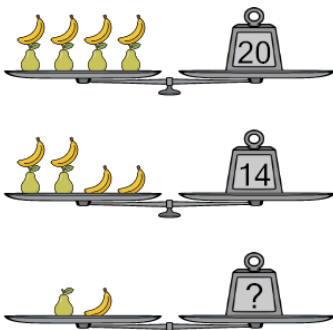
D

$$a = 4$$

$$4a = 9$$

$$b + a = ?$$

5 Which equations represent what these scales are showing



A

$$5p + 4b = 20$$

$$2p + 4b = 14$$

$$2p + b = ?$$

B

$$7p + 4b = 20$$

$$2p + 4b = 14$$

$$2p + 3b = ?$$

C

$$7p + 4b = 20$$

$$2p + 4b = 14$$

$$2p + 2b = ?$$

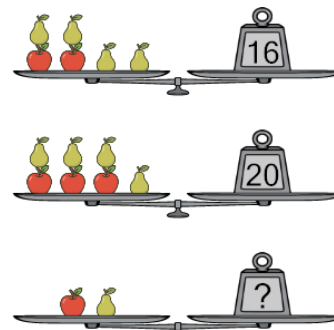
D

$$4p + 4b = 20$$

$$2p + 4b = 14$$

$$p + b = ?$$

6 Which equations represent what these scales are showing



A

$$6p = 16$$

$$5a + 3p = 20$$

$$3p + a = ?$$

B

$$2a + 4p = 16$$

$$3a + 4p = 20$$

$$a + p = ?$$

C

$$2a + 6p = 16$$

$$3a + 3p = 20$$

$$3p = ?$$

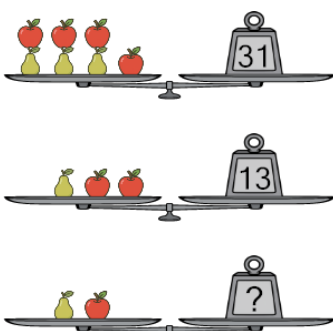
D

$$2a + 6p = 16$$

$$3a + 3p = 20$$

$$p = ?$$

7 Which equations represent what these scales are showing



A

$$3p + 5a = 31$$

$$2a = 13$$

$$p = ?$$

B

$$5p + 5a = 31$$

$$p = 13$$

$$a = ?$$

C

$$3p + 4a = 31$$

$$p + 2a = 13$$

$$p + a = ?$$

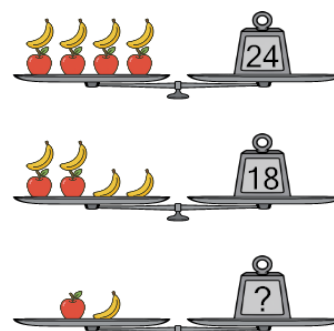
D

$$3p + 4a = 31$$

$$p + 2a = 13$$

$$a = ?$$

8 Which equations represent what these scales are showing



A

$$4a + 4b = 24$$

$$2a + 4b = 18$$

$$a + b = ?$$

B

$$a + 4b = 24$$

$$2a + 2b = 18$$

$$a + b = ?$$

C

$$7b = 24$$

$$5a = 18$$

$$2b = ?$$

D

$$4b = 24$$

$$5a + 2b = 18$$

$$a + 2b = ?$$