



Equations

Expanding Brackets

$$1 \quad 3(a - 6) = 8$$

$$2 \quad 8(a - 2) = 20$$

$$3 \quad 5(a + 7) = 45$$

$$4 \quad 9(a - 1) = 18$$

$$5 \quad 6(2a + 3) = 30a$$

$$6 \quad 7(a - 3) = 2(a + 7)$$

$$7 \quad 6(b + 2) = 4(b + 5)$$

$$8 \quad 5(2b - 3) = 7(b + 3)$$

$$9 \quad 3(a + 6) = a + 22$$

$$10 \quad 7m - 4 = 3(m + 4)$$

$$11 \quad 4(5 - b) = b$$

$$12 \quad 6(n + 2) = 4n + 15$$

$$13 \quad 2(3a - 7) + 4 = 3(a + 2) + 2$$

$$14 \quad 5a - (1 - 2a) = 5 - 3(1 + a)$$

$$15 \quad 4(b - 1) - 3(b - 2) = 4 - 5b$$

Answers

$$1 \quad a = 6\frac{2}{3}$$

$$2 \quad a = 4\frac{1}{2}$$

$$3 \quad a = 2$$

$$4 \quad a = 3$$

$$5 \quad a = 1$$

$$6 \quad a = 7$$

$$7 \quad b = 4$$

$$8 \quad b = 12$$

$$9 \quad a = 2$$

$$10 \quad m = 4$$

$$11 \quad b = 4$$

$$12 \quad n = 15$$

$$13 \quad a = 6$$

$$14 \quad a = \frac{3}{10}$$

$$15 \quad b = \frac{1}{3}$$

