

# Simplifying Linear Expressions (A)

Simplify each expression by combining like terms.

$$1. \ 6w - 6w + 6w + 9w$$

$$2. \ -5p + 1 - 5 + 1$$

$$3. \ -7y + 4 - 7y + 1$$

$$4. \ b + 2 + 2 - 7b$$

$$5. \ 3 + 2q + 6 - q$$

$$6. \ -8 + 3v - 5 - 4v$$

$$7. \ 2r + 9r + 9 + 4$$

$$8. \ 9x - 9x - 8 + 6$$

$$9. \ -9v + 7v + 3v - 9v$$

$$10. \ 3 - 2a + 3a + 5a$$

# Simplifying Linear Expressions (A) Answers

Simplify each expression by combining like terms.

$$1. \ 6w - 6w + 6w + 9w$$

$$= 15w$$

$$2. \ -5p + 1 - 5 + 1$$

$$= -5p - 3$$

$$3. \ -7y + 4 - 7y + 1$$

$$= -14y + 5$$

$$4. \ b + 2 + 2 - 7b$$

$$= -6b + 4$$

$$5. \ 3 + 2q + 6 - q$$

$$= q + 9$$

$$6. \ -8 + 3v - 5 - 4v$$

$$= -v - 13$$

$$7. \ 2r + 9r + 9 + 4$$

$$= 11r + 13$$

$$8. \ 9x - 9x - 8 + 6$$

$$= -2$$

$$9. \ -9v + 7v + 3v - 9v$$

$$= -8v$$

$$10. \ 3 - 2a + 3a + 5a$$

$$= 6a + 3$$

# Simplifying Linear Expressions (B)

Simplify each expression by combining like terms.

$$1. -3w + 5w + 8w + 6$$

$$2. 6 + 7c - 5 - 8$$

$$3. 2f - 7 - 2 + f$$

$$4. -4q - 2 + 2 - 1$$

$$5. 7t + 4 - 6t + t$$

$$6. 2 + 8t + 4 - 2t$$

$$7. 5c - 5c + 7c - 6$$

$$8. 2w + 3w + 4 + 3w$$

$$9. 7y - 6y - 3y + 1$$

$$10. -4d + 9d - d - 5d$$

# Simplifying Linear Expressions (B) Answers

Simplify each expression by combining like terms.

$$1. -3w + 5w + 8w + 6$$

$$= 10w + 6$$

$$2. 6 + 7c - 5 - 8$$

$$= 7c - 7$$

$$3. 2f - 7 - 2 + f$$

$$= 3f - 9$$

$$4. -4q - 2 + 2 - 1$$

$$= -4q - 1$$

$$5. 7t + 4 - 6t + t$$

$$= 2t + 4$$

$$6. 2 + 8t + 4 - 2t$$

$$= 6t + 6$$

$$7. 5c - 5c + 7c - 6$$

$$= 7c - 6$$

$$8. 2w + 3w + 4 + 3w$$

$$= 8w + 4$$

$$9. 7y - 6y - 3y + 1$$

$$= -2y + 1$$

$$10. -4d + 9d - d - 5d$$

$$= -d$$

# Simplifying Linear Expressions (C)

Simplify each expression by combining like terms.

$$1. -4k - 5 - 9 - 1$$

$$2. -5a - 7 - 6 - 1$$

$$3. -1 + 5t + 3 + 8t$$

$$4. -w + w - 3 - 9w$$

$$5. 9x - 4x + 6x - 9$$

$$6. -5w + 6w - 2 - 8w$$

$$7. -5s - 8s - 1 + 2s$$

$$8. -2t - 3 + 6t + 7$$

$$9. -3 + 5 + 8 - 9r$$

$$10. -7f + 2f + 4 + 4$$

# Simplifying Linear Expressions (C) Answers

Simplify each expression by combining like terms.

$$1. -4k - 5 - 9 - 1$$

$$= -4k - 15$$

$$2. -5a - 7 - 6 - 1$$

$$= -5a - 14$$

$$3. -1 + 5t + 3 + 8t$$

$$= 13t + 2$$

$$4. -w + w - 3 - 9w$$

$$= -9w - 3$$

$$5. 9x - 4x + 6x - 9$$

$$= 11x - 9$$

$$6. -5w + 6w - 2 - 8w$$

$$= -7w - 2$$

$$7. -5s - 8s - 1 + 2s$$

$$= -11s - 1$$

$$8. -2t - 3 + 6t + 7$$

$$= 4t + 4$$

$$9. -3 + 5 + 8 - 9r$$

$$= -9r + 10$$

$$10. -7f + 2f + 4 + 4$$

$$= -5f + 8$$

# Simplifying Linear Expressions (D)

Simplify each expression by combining like terms.

$$1. -8v + 6v - 9 + 2$$

$$2. -7s + 8s - 4s - 7s$$

$$3. -h - 9 + 6 + 5h$$

$$4. 5q + 6q - q + 9$$

$$5. 4r + 7r + r - 2$$

$$6. 9 - 3t - 8t + 4t$$

$$7. -5 - 3w - 7 + 9w$$

$$8. -4s - 8s + 6s + 3s$$

$$9. -3w + 6w - 5w + 3$$

$$10. -2 + 2b - 4b - 6$$

# Simplifying Linear Expressions (D) Answers

Simplify each expression by combining like terms.

$$1. -8v + 6v - 9 + 2$$

$$= -2v - 7$$

$$2. -7s + 8s - 4s - 7s$$

$$= -10s$$

$$3. -h - 9 + 6 + 5h$$

$$= 4h - 3$$

$$4. 5q + 6q - q + 9$$

$$= 10q + 9$$

$$5. 4r + 7r + r - 2$$

$$= 12r - 2$$

$$6. 9 - 3t - 8t + 4t$$

$$= -7t + 9$$

$$7. -5 - 3w - 7 + 9w$$

$$= 6w - 12$$

$$8. -4s - 8s + 6s + 3s$$

$$= -3s$$

$$9. -3w + 6w - 5w + 3$$

$$= -2w + 3$$

$$10. -2 + 2b - 4b - 6$$

$$= -2b - 8$$

# Simplifying Linear Expressions (E)

Simplify each expression by combining like terms.

$$1. \ 3y + 6 + 8y + 8$$

$$2. \ -3 + 5 + 5f + 6$$

$$3. \ 7 + 8g + 2 - 2g$$

$$4. \ -3 - 9b - 4b - 3b$$

$$5. \ 3 + 7j + 4j + 6j$$

$$6. \ -3 + 6 - 4r + 7$$

$$7. \ -8z + 6z + 3z + 4$$

$$8. \ -9f - 4f - 9f + 2$$

$$9. \ 4f - 2f + 2 + 2$$

$$10. \ -3 + 4 + 9t + 1$$

# Simplifying Linear Expressions (E) Answers

Simplify each expression by combining like terms.

$$1. \ 3y + 6 + 8y + 8$$

$$= 11y + 14$$

$$2. \ -3 + 5 + 5f + 6$$

$$= 5f + 8$$

$$3. \ 7 + 8g + 2 - 2g$$

$$= 6g + 9$$

$$4. \ -3 - 9b - 4b - 3b$$

$$= -16b - 3$$

$$5. \ 3 + 7j + 4j + 6j$$

$$= 17j + 3$$

$$6. \ -3 + 6 - 4r + 7$$

$$= -4r + 10$$

$$7. \ -8z + 6z + 3z + 4$$

$$= z + 4$$

$$8. \ -9f - 4f - 9f + 2$$

$$= -22f + 2$$

$$9. \ 4f - 2f + 2 + 2$$

$$= 2f + 4$$

$$10. \ -3 + 4 + 9t + 1$$

$$= 9t + 2$$

# Simplifying Linear Expressions (F)

Simplify each expression by combining like terms.

$$1. -8m - 9 - m - 7m$$

$$2. -9g + g - 7g - 5$$

$$3. -5 - 9j + 8j - 8j$$

$$4. 7q - 3q + q + 4q$$

$$5. 4 + 7 + d + 4$$

$$6. -3 - 8q - 8q - 7q$$

$$7. 2t + 2t - 5 + 5t$$

$$8. -d + 1 - 6d - 7d$$

$$9. -5j - 5 + 2 - 2j$$

$$10. -5r + 3r - 3r - r$$

# Simplifying Linear Expressions (F) Answers

Simplify each expression by combining like terms.

$$1. -8m - 9 - m - 7m$$

$$= \textcolor{red}{-16m - 9}$$

$$2. -9g + g - 7g - 5$$

$$= \textcolor{red}{-15g - 5}$$

$$3. -5 - 9j + 8j - 8j$$

$$= \textcolor{red}{-9j - 5}$$

$$4. 7q - 3q + q + 4q$$

$$= \textcolor{red}{9q}$$

$$5. 4 + 7 + d + 4$$

$$= \textcolor{red}{d + 15}$$

$$6. -3 - 8q - 8q - 7q$$

$$= \textcolor{red}{-23q - 3}$$

$$7. 2t + 2t - 5 + 5t$$

$$= \textcolor{red}{9t - 5}$$

$$8. -d + 1 - 6d - 7d$$

$$= \textcolor{red}{-14d + 1}$$

$$9. -5j - 5 + 2 - 2j$$

$$= \textcolor{red}{-7j - 3}$$

$$10. -5r + 3r - 3r - r$$

$$= \textcolor{red}{-6r}$$

# Simplifying Linear Expressions (G)

Simplify each expression by combining like terms.

$$1. \ 8f - 9 + 7 - 8$$

$$2. \ -6p + 8p + 5 + 5$$

$$3. \ -3v + 2v + 4 - v$$

$$4. \ r - 6r + 9 + 2$$

$$5. \ -7 - 9 + 4j + 5j$$

$$6. \ 8 - 2 + 9w + w$$

$$7. \ -3w - 8w - 6w + 3w$$

$$8. \ -5y - 1 - 3y - 2y$$

$$9. \ -6 - 9q + 4 + 8q$$

$$10. \ 2 + 3z + 1 + 6z$$

# Simplifying Linear Expressions (G) Answers

Simplify each expression by combining like terms.

$$1. \ 8f - 9 + 7 - 8$$

$$= 8f - 10$$

$$2. \ -6p + 8p + 5 + 5$$

$$= 2p + 10$$

$$3. \ -3v + 2v + 4 - v$$

$$= -2v + 4$$

$$4. \ r - 6r + 9 + 2$$

$$= -5r + 11$$

$$5. \ -7 - 9 + 4j + 5j$$

$$= 9j - 16$$

$$6. \ 8 - 2 + 9w + w$$

$$= 10w + 6$$

$$7. \ -3w - 8w - 6w + 3w$$

$$= -14w$$

$$8. \ -5y - 1 - 3y - 2y$$

$$= -10y - 1$$

$$9. \ -6 - 9q + 4 + 8q$$

$$= -q - 2$$

$$10. \ 2 + 3z + 1 + 6z$$

$$= 9z + 3$$

# Simplifying Linear Expressions (H)

Simplify each expression by combining like terms.

$$1. -2 - 8 - n + 7$$

$$2. -4m + 9m + 7m + 4m$$

$$3. -4 + 3x - 9x - 8x$$

$$4. -p - 8p - 2 - 6$$

$$5. -5p - 6p - 9 - 5p$$

$$6. 3 + 7n + 4 - 1$$

$$7. -6 + 6y - 3y - 3$$

$$8. 7 - 6q - 4q + 2$$

$$9. 8a - 9a + 3a + 6$$

$$10. s - 8s + 2s + 7s$$

# Simplifying Linear Expressions (H) Answers

Simplify each expression by combining like terms.

$$1. -2 - 8 - n + 7$$

$$= -n - 3$$

$$2. -4m + 9m + 7m + 4m$$

$$= 16m$$

$$3. -4 + 3x - 9x - 8x$$

$$= -14x - 4$$

$$4. -p - 8p - 2 - 6$$

$$= -9p - 8$$

$$5. -5p - 6p - 9 - 5p$$

$$= -16p - 9$$

$$6. 3 + 7n + 4 - 1$$

$$= 7n + 6$$

$$7. -6 + 6y - 3y - 3$$

$$= 3y - 9$$

$$8. 7 - 6q - 4q + 2$$

$$= -10q + 9$$

$$9. 8a - 9a + 3a + 6$$

$$= 2a + 6$$

$$10. s - 8s + 2s + 7s$$

$$= 2s$$

# Simplifying Linear Expressions (I)

Simplify each expression by combining like terms.

$$1. \ 4 - 9a + 7a - 5a$$

$$2. \ 6t - 7 - 9t - 7t$$

$$3. \ 2q + 2 + 3q - 3q$$

$$4. \ -4 + 7g + 9g + 3g$$

$$5. \ -4 - 2w + 4w - 7$$

$$6. \ 6w - 7 + 8 - 6w$$

$$7. \ -3 + 2j - 4j + 3j$$

$$8. \ -4d + 6 + 4d - 5$$

$$9. \ -2w + 5 + 2 - 7$$

$$10. \ 5z - 7z + 7z + 8$$

# Simplifying Linear Expressions (I) Answers

Simplify each expression by combining like terms.

$$1. \ 4 - 9a + 7a - 5a$$

$$= -7a + 4$$

$$2. \ 6t - 7 - 9t - 7t$$

$$= -10t - 7$$

$$3. \ 2q + 2 + 3q - 3q$$

$$= 2q + 2$$

$$4. \ -4 + 7g + 9g + 3g$$

$$= 19g - 4$$

$$5. \ -4 - 2w + 4w - 7$$

$$= 2w - 11$$

$$6. \ 6w - 7 + 8 - 6w$$

$$= 1$$

$$7. \ -3 + 2j - 4j + 3j$$

$$= j - 3$$

$$8. \ -4d + 6 + 4d - 5$$

$$= 1$$

$$9. \ -2w + 5 + 2 - 7$$

$$= -2w$$

$$10. \ 5z - 7z + 7z + 8$$

$$= 5z + 8$$

# Simplifying Linear Expressions (J)

Simplify each expression by combining like terms.

$$1. -5 + 7w + 6 - 4w$$

$$2. 3j - 3 - 8j + 5j$$

$$3. -5v - 3v - 3 - 2v$$

$$4. 5c + 4c - 8c + 3c$$

$$5. 6 + 6p + 5 + 8p$$

$$6. 6a - 2a - 6 + 8$$

$$7. 2y + 2y + 3y + 3y$$

$$8. 2 - 9d - 2 + 8d$$

$$9. -5p - 6p - 4p - 4p$$

$$10. 9g + 8 - 5g - 2g$$

# Simplifying Linear Expressions (J) Answers

Simplify each expression by combining like terms.

$$1. -5 + 7w + 6 - 4w \\ = 3w + 1$$

$$2. 3j - 3 - 8j + 5j \\ = -3$$

$$3. -5v - 3v - 3 - 2v \\ = -10v - 3$$

$$4. 5c + 4c - 8c + 3c \\ = 4c$$

$$5. 6 + 6p + 5 + 8p \\ = 14p + 11$$

$$6. 6a - 2a - 6 + 8 \\ = 4a + 2$$

$$7. 2y + 2y + 3y + 3y \\ = 10y$$

$$8. 2 - 9d - 2 + 8d \\ = -d$$

$$9. -5p - 6p - 4p - 4p \\ = -19p$$

$$10. 9g + 8 - 5g - 2g \\ = 2g + 8$$