

**Apply the distributive property to produce an equivalent expression.****Answers**

- 1) $24b + 40$
- 2) $10c + 6 + 9c + 10$
- 3) $6(3 + 6d)$
- 4) $5(8e + 3)$
- 5) $16 + 10f$
- 6) $4(4 + 10g)$
- 7) $7h + 4h + 9 + 8$
- 8) $2(4i + 4)$
- 9) $10 + 10j + 2 + 7j$
- 10) $24k + 24$
- 11) $5(3 + 10m)$
- 12) $70n + 42$
- 13) $7(4p + 10)$
- 14) $30r + 50$
- 15) $2(4 + 3t)$
- 16) $6 + 6u + 2 + 3u$
- 17) $16v + 24$
- 18) $w + w + w + w + w + w$
- 19) $10(7y + 5)$
- 20) $z + z + z + z + z + z$

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Apply the distributive property to produce an equivalent expression.

Answers

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|-----------------------------|---|
| 1) $24b + 40$ | 1. <u>$8(3b + 5)$</u> |
| 2) $10c + 6 + 9c + 10$ | 2. <u>$19c+16$</u> |
| 3) $6(3 + 6d)$ | 3. <u>$18 + 36d$</u> |
| 4) $5(8e + 3)$ | 4. <u>$40e + 15$</u> |
| 5) $16 + 10f$ | 5. <u>$2(8 + 5f)$</u> |
| 6) $4(4 + 10g)$ | 6. <u>$16 + 40g$</u> |
| 7) $7h + 4h + 9 + 8$ | 7. <u>$11h+17$</u> |
| 8) $2(4i + 4)$ | 8. <u>$8i + 8$</u> |
| 9) $10 + 10j + 2 + 7j$ | 9. <u>$17j+12$</u> |
| 10) $24k + 24$ | 10. <u>$24(1k + 1)$</u> |
| 11) $5(3 + 10m)$ | 11. <u>$15 + 50m$</u> |
| 12) $70n + 42$ | 12. <u>$14(5n + 3)$</u> |
| 13) $7(4p + 10)$ | 13. <u>$28p + 70$</u> |
| 14) $30r + 50$ | 14. <u>$10(3r + 5)$</u> |
| 15) $2(4 + 3t)$ | 15. <u>$8 + 6t$</u> |
| 16) $6 + 6u + 2 + 3u$ | 16. <u>$9u+8$</u> |
| 17) $16v + 24$ | 17. <u>$8(2v + 3)$</u> |
| 18) $w + w + w + w + w + w$ | 18. <u>$6w$</u> |
| 19) $10(7y + 5)$ | 19. <u>$70y + 50$</u> |
| 20) $z + z + z + z + z + z$ | 20. <u>$6z$</u> |