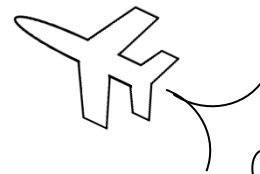# Math on the Fly!

NAME: _____ DATE: _____

Distributive Property

Use the distributive property to expand each expression.

1. $5(m + 6)$

2. $-2(x + 4)$

3. $3(a - 7)$

4. $-7(y - 1)$

5. $4(k - 5)$

6. $-(9w + 8)$

7. $\dfrac{2}{3}(c + 9)$

8. $-3(5b - 2)$

9. $8(2e + 1)$

10. $-(7 - 6p)$

11. $2(4 + 3u)$

12. $\dfrac{1}{2}(18a + 6)$

13. $0.75(a - 40)$

14. $-0.4(2 - 5x)$

SOLUTIONS

1. $5(m + 6)$ = **5m + 30**

2. $-2(x + 4)$ = **−2x − 8**

3. $3(a - 7)$ = **3a − 21**

4. $-7(y - 1)$ = **−7y + 7**

5. $4(k - 5)$ = **4k − 20**

6. $-(9w + 8)$ = **−9w − 8**

7. $\frac{2}{3}(c + 9)$ = $\frac{2}{3}$ **c + 6**

8. $-3(5b - 2)$ = **−15b + 6**

9. $8(2e + 1)$ = **16e + 8**

10. $-(7 - 6p)$ = **−7 + 6p**

11. $2(4 + 3u)$ = **8 + 6u**

12. $\frac{1}{2}(18a + 6)$ = **9a + 3**

13. $0.75(a - 40)$ = **0.75a − 30**

14. $-0.4(2 - 5x)$ = **−0.8 + 2x**