

**Entraînement 1** Développe et réduis les expressions suivantes :

$$7 \times (a + 2) = 7 \times a + 7 \times 2$$

=

$$5 \times (a + 10) = 5 \times \dots + 5 \times \dots$$

=

$$10 \times (2 + a) = \dots \times \dots + \dots \times \dots$$

=

$$7 \times (a + 10) =$$

$$8 \times (7 + a) =$$

$$6 \times (a + b) =$$

$$2 \times (3a + 5) =$$

=

$$5 \times (7a + 1) =$$

$$5 \times (3a + 2) =$$

$$9 \times (7a - 3) =$$

$$5 \times (4 - 6a) =$$

$$3 \times (7a - 4b) =$$

**Entraînement 2** Complète

$$8 \times (\dots + \dots) = 8 \times a + 8 \times 7$$

$$= 8a + 56$$

$$9 \times (\dots + \dots) = 9 \times 5 + 9 \times a$$

=

$$\dots \times (a + \dots) = 5 \times a + 5 \times 7$$

=

$$7 \times (\dots + \dots) = 7 \times a + 5 \times 7$$

=

$$\dots \times (\dots + \dots) = 12 \times a + 12 \times 8$$

=

$$\dots \times (\dots + \dots) = 11 \times 3 + 11 \times a$$

=

$$a \times (\dots + \dots) = a \times 3 + a \times 7$$

=

$$a \times (\dots + \dots) = a \times 12 + a \times 5$$

=

$$\dots \times (\dots + \dots) = a \times 10 + a \times 7$$

=

**Entraînement 3** Complète

$$3a + 2a = 3 \times a + 2 \times a$$

$$= (3 + 2) \times a$$

$$= 5 \times a$$

$$= 5a$$

$$7a + 5a = 7 \times \dots + \dots \times a$$

$$= (7 + \dots) \times a$$

$$= \dots \times a$$

$$= \dots$$

$$13a + 10a = \dots \times \dots + \dots \times \dots$$

$$= (\dots + \dots) \times \dots$$

$$= \dots \times \dots$$

$$= \dots$$

$$8a - 2a = 8 \times a - 2 \times a$$

$$= (8 - 2) \times a$$

$$= 6 \times a$$

$$= 6a$$

$$7a - 5a = 7 \times \dots - \dots \times a$$

$$= (7 - \dots) \times a$$

$$= \dots \times a$$

$$= \dots$$

$$13a - 8a = \dots \times \dots - \dots \times \dots$$

$$= (\dots - \dots) \times \dots$$

$$= \dots \times \dots$$

$$= \dots$$

$$7a + 8a =$$

$$18a - 5a =$$

$$15a + 3a =$$

**Entraînement 4** Réduis les expressions suivantes :

$$7a + 3a =$$

$$5a + 2a + 8a =$$

$$8a - 2a =$$

$$29a - 5a =$$

$$2,5a + 1,3a =$$

$$7a + 3,4a =$$

$$9,6a - 2,7a =$$

$$3,25a + 2,4a =$$

$$5a - 3a + 2a =$$

$$3a + a =$$

$$5a + 2a - 3a =$$

$$10a + 3a - 10a - 2a =$$

