2+2=4 Fluency

Form expressions

Sheet 1

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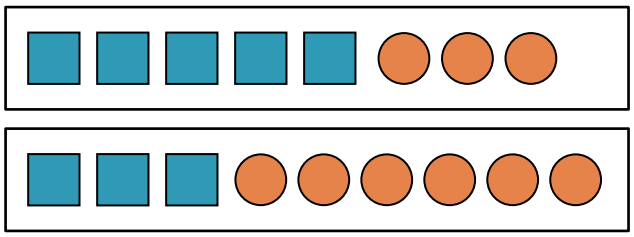
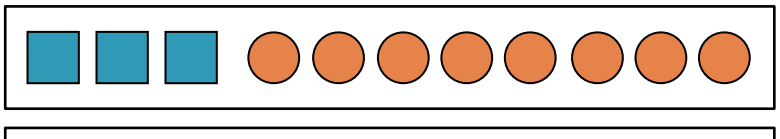
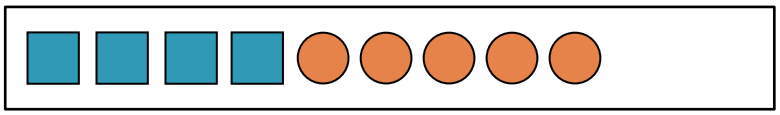
1) Draw lines to match the representation to the correct algebraic expression.



5x + 3
3x + 6

2) Write these representations as algebraic expressions. Squares are x and circles represent 1.





3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

7x + 2	
2x + 5	

4) Write these statements as algebraic expressions.

4 lots of x add 7	
10 lots of x subtract 9	

5) Simplify these algebraic expressions.

5x - x	→	
4y + 3 + 7y	→	
6z – 7 – 2z	→	

2+2=4 Fluency

Form expressions

Sheet 2

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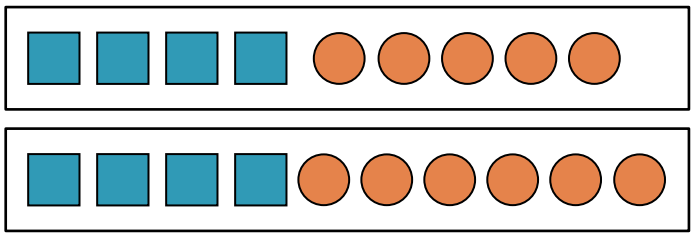
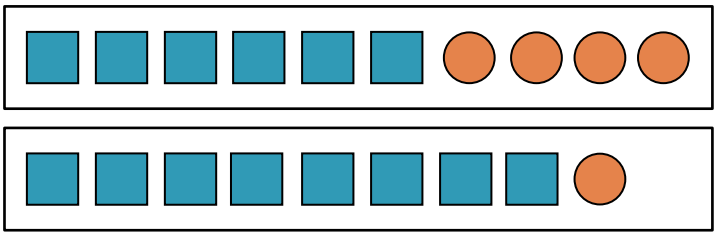
1) Draw lines to match the representation to the correct algebraic expression.



4x + 6
4x + 5

2) Write these representations as algebraic expressions. Squares are x and circles represent 1.



3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

10x + 3	
5 + 5x	

4) Write these statements as algebraic expressions.

9 lots of x divided by 2	
13 lots of x add 18	

5) Simplify these algebraic expressions.

3x + 9 + 4x - 5	→	
5 + y – 5 + 2y	→	
9 + 14x – 8x	→	

2+2=4 Fluency

Form expressions

Sheet 3

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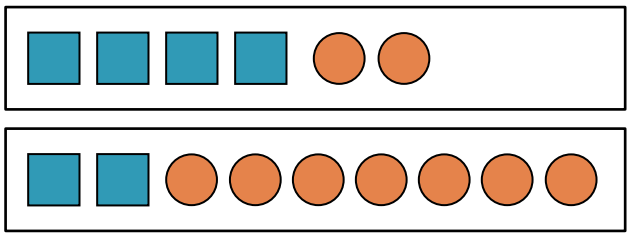
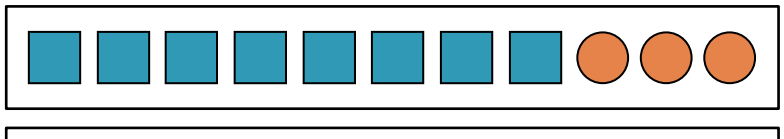
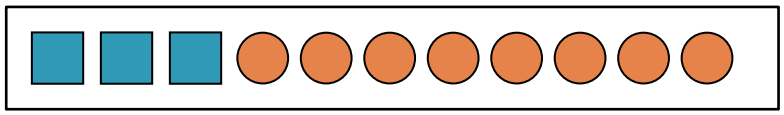
1) Draw lines to match the representation to the correct algebraic expression.



2x + 7
4x + 2

2) Write these representations as algebraic expressions. Squares are x and circles represent 1.





3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

9x + 3	
6x + 2	

4) Write these statements as algebraic expressions.

8 lots of x add 17	
7 lots of x divided by 4	

5) Simplify these algebraic expressions.

8 + 2x – 7 + 7x	→	
2 + x – 1 + 4x	→	
8y + 6 + 2y - 4	→	

2+2=4 Fluency

Form expressions

Sheet 1

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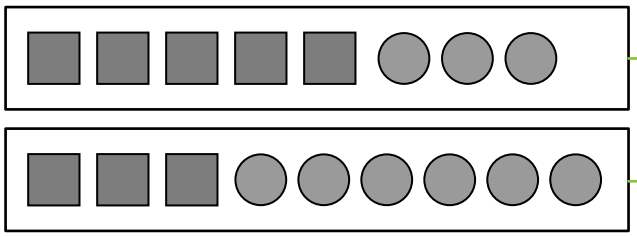
ANSWERS

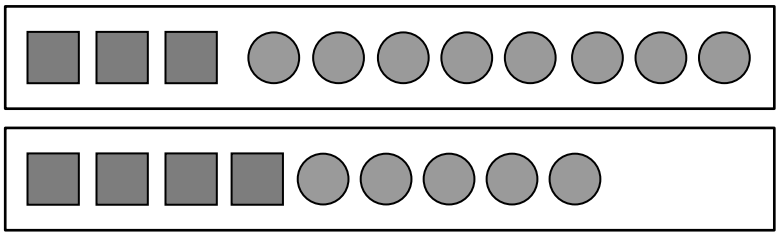
1) Draw lines to match the representation to the correct algebraic expression.



5x + 3

3x + 6

2) Write these representations as algebraic expressions. Squares are x and circles represent 1.

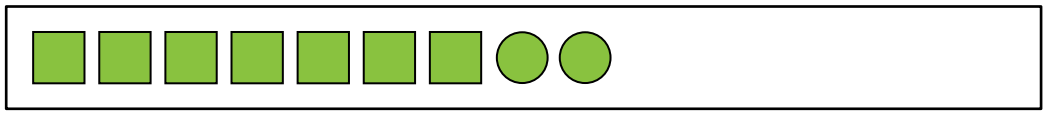


3x + 8

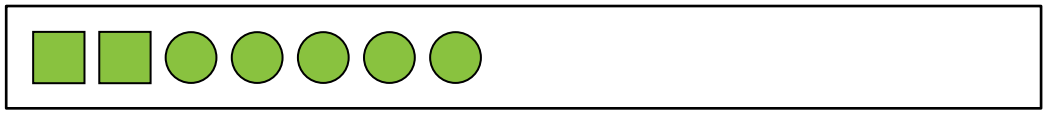
4x + 5

3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

7x + 2



2x + 5



4) Write these statements as algebraic expressions.

4 lots of x add 7	4x + 7
10 lots of x subtract 9	10x - 9

5) Simplify these algebraic expressions.

5x - x	→	4x
4y + 3 + 7y	→	11y + 3
6z – 7 – 2z	→	4z - 7

2+2=4 Fluency

Form expressions

Sheet 2

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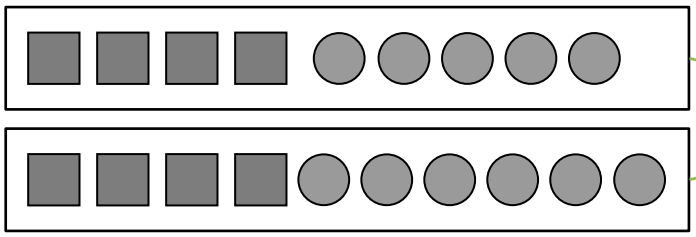
ANSWERS

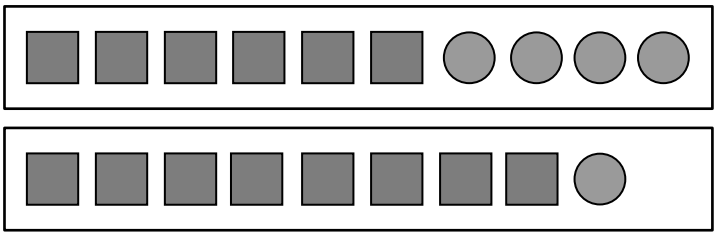
1) Draw lines to match the representation to the correct algebraic expression.



4x + 6

4x + 5

2) Write these representations as algebraic expressions. Squares are x and circles represent 1.

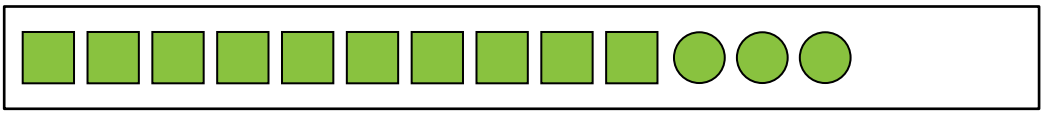


6x + 4

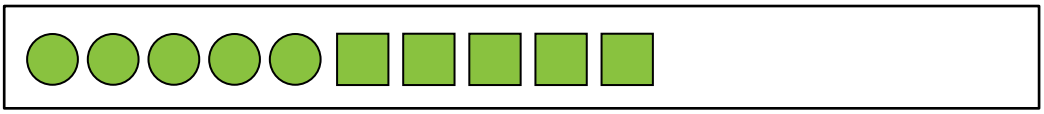
8x + 1

3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

10x + 3



5 + 5x



4) Write these statements as algebraic expressions.

9 lots of x divided by 2	9x ÷ 2
13 lots of x add 18	13x + 18

5) Simplify these algebraic expressions.

3x + 9 + 4x - 5 →	7x + 4
5 + y – 5 + 2y →	3y
9 + 14x – 8x →	9 + 6x

2+2=4 Fluency

Form expressions

Sheet 3

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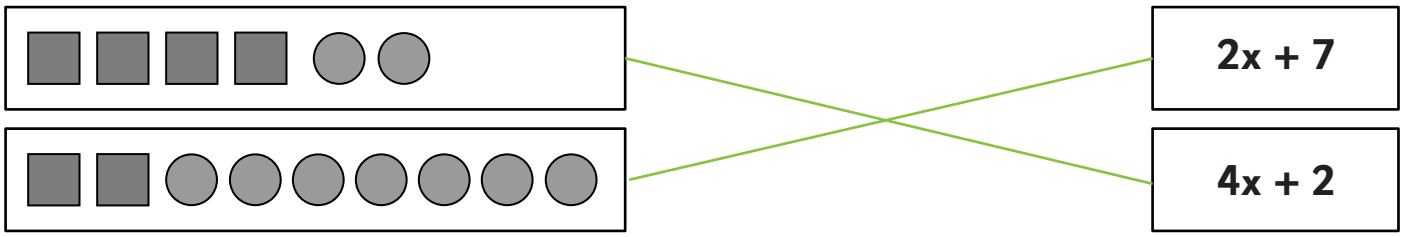
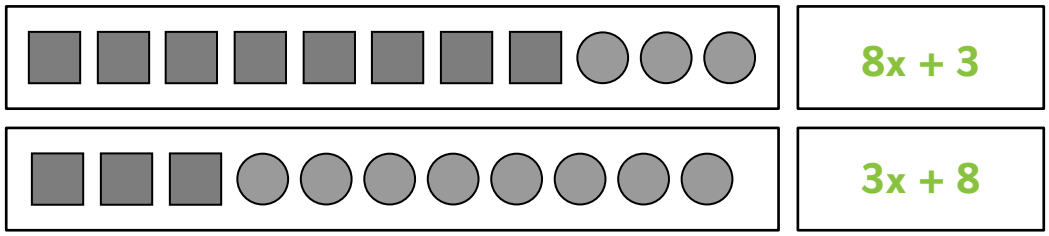
ANSWERS

1) Draw lines to match the representation to the correct algebraic expression.



2) Write these representations as algebraic expressions. Squares are x and circles represent 1.



3) Use squares for x and circles for 1s to draw correct representations of these algebraic expressions.

9x + 3	
6x + 2	

4) Write these statements as algebraic expressions.

8 lots of x add 17	8x + 17
7 lots of x divided by 4	7x ÷ 4

5) Simplify these algebraic expressions.

8 + 2x – 7 + 7x	→	9x + 1
2 + x – 1 + 4x	→	5x + 1
8y + 6 + 2y - 4	→	10y + 2