

Name \_\_\_\_\_ Date \_\_\_\_\_

## End of unit 16 test

1 Which expression is equal to  $8 \times 12$ ?

- A  $(8 \times 1) + (8 \times 2)$
- B  $(8 \times 10) + 2$
- C  $8 \times 2 \times 6$
- D  $8 + (10 \times 2)$

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2 Use the distributive rule to do these calculations.

Show all the stages of your working.

a  $7 \times (50 + 1)$

b  $9 \times (80 - 3)$

c  $5 \times 34$

d  $7 \times 89$

3 Put one set of brackets in each calculation to make them correct.

a  $3 \times 8 + 2 = 30$

b  $9 - 4 \times 2 = 10$

c  $15 - 6 - 4 = 13$

d  $8 - 2 \div 2 = 3$

4 Write the missing number to make the calculation correct.

$$(100 - \boxed{\phantom{0}}) \times 10 = 10$$

5 Are the following statements true or false? Explain your answer.

a  $(3 + 6) \times 2 = 3 + (6 \times 2)$

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b  $(7 - 2) \times 3 = 7 - (2 \times 3)$

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c  $(3 \times 4) \times 5 = 3 \times (4 \times 5)$

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6 Write an operation sign in the box to make a correct number sentence.

$$18 \boxed{\phantom{0}} 3 \times 5 = 30$$

7 Write the missing numbers.

a  $48 \div (21 - \boxed{\phantom{0}}) = 4$

b  $\boxed{\phantom{0}} + 7 \times 8 = 64$

8 Use these numbers, any of the operations (+, -,  $\times$  or  $\div$ ) and brackets to make number statements that give the target answer.

a 2, 7, 10 [Target 6]

b 4, 6, 10 [Target 1]

c 3, 6, 15 [Target 3]