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Math worksheet on *'Factoring - Simplifying Multiplication with Factors - Composite to Bracketed Factors (Level 1)'*. Part of a broader unit on *'Factoring, Multiplication, Division, Fractions - Intro'*
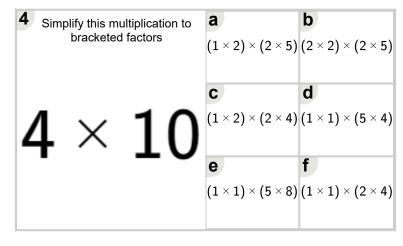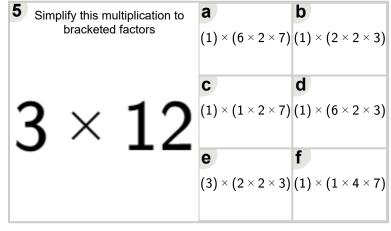
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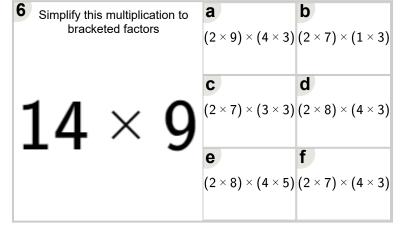
1 Simplify this multiplication to bracketed factors

$$50 \times 7$$

a	b
$(4 \times 9 \times 5) \times (7)$	$(1 \times 9 \times 5) \times (4)$
c	**d**
$(2 \times 9 \times 5) \times (4)$	$(2 \times 5 \times 5) \times (7)$
e	**f**
$(2 \times 9 \times 5) \times (8)$	$(2 \times 5 \times 5) \times (6)$

2 Simplify this multiplication to bracketed factors

$$15 \times 15$$

a	b
$(3 \times 5) \times (3 \times 5)$	$(3 \times 5) \times (1 \times 6)$
c	**d**
$(3 \times 5) \times (1 \times 9)$	$(3 \times 5) \times (1 \times 5)$
e	**f**
$(3 \times 5) \times (1 \times 4)$	$(3 \times 5) \times (1 \times 8)$

3 Simplify this multiplication to bracketed factors

$$9 \times 14$$

a	b
$(4 \times 3) \times (9 \times 6)$	$(8 \times 3) \times (6 \times 8)$
c	**d**
$(5 \times 3) \times (2 \times 8)$	$(3 \times 3) \times (2 \times 7)$
e	**f**
$(3 \times 3) \times (2 \times 8)$	$(6 \times 3) \times (6 \times 6)$

4 Simplify this multiplication to bracketed factors

$$4 \times 10$$

a	b
$(1 \times 2) \times (2 \times 5)$	$(2 \times 2) \times (2 \times 5)$
c	**d**
$(1 \times 2) \times (2 \times 4)$	$(1 \times 1) \times (5 \times 4)$
e	**f**
$(1 \times 1) \times (5 \times 8)$	$(1 \times 1) \times (2 \times 4)$

5 Simplify this multiplication to bracketed factors

$$3 \times 12$$

a	b
$(1) \times (6 \times 2 \times 7)$	$(1) \times (2 \times 2 \times 3)$
c	**d**
$(1) \times (1 \times 2 \times 7)$	$(1) \times (6 \times 2 \times 3)$
e	**f**
$(3) \times (2 \times 2 \times 3)$	$(1) \times (1 \times 4 \times 7)$

6 Simplify this multiplication to bracketed factors

$$14 \times 9$$

a	b
$(2 \times 9) \times (4 \times 3)$	$(2 \times 7) \times (1 \times 3)$
c	**d**
$(2 \times 7) \times (3 \times 3)$	$(2 \times 8) \times (4 \times 3)$
e	**f**
$(2 \times 8) \times (4 \times 5)$	$(2 \times 7) \times (4 \times 3)$

7 Simplify this multiplication to bracketed factors

$$5 \times 12$$

a	b
$(5) \times (4 \times 2 \times 3)$	$(5) \times (4 \times 2 \times 5)$
c	**d**
$(5) \times (2 \times 2 \times 3)$	$(3) \times (2 \times 4 \times 5)$
e	**f**
$(3) \times (4 \times 4 \times 5)$	$(3) \times (3 \times 4 \times 5)$

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