



Math worksheet on 'Factoring - Simplifying Multiplication with Factors - Composite to Factors (Level 1)'. Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Intro'

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1 Simplify this multiplication to a fully factored multiplication

a	$1 \times 8 \times 8 \times 5$	b	$2 \times 4 \times 8 \times 2$
c	$2 \times 2 \times 7 \times 2$	d	$2 \times 2 \times 7 \times 4$
e	$2 \times 8 \times 8 \times 5$	f	$2 \times 4 \times 7 \times 2$

28 × 2

2 Simplify this multiplication to a fully factored multiplication

a	$3 \times 7 \times 1 \times 5$	b	$3 \times 7 \times 2 \times 5$
c	$6 \times 8 \times 4 \times 1$	d	$6 \times 8 \times 4 \times 5$
e	$3 \times 8 \times 4 \times 5$	f	$2 \times 8 \times 4 \times 4$

21 × 10

3 Simplify this multiplication to a fully factored multiplication

a	$7 \times 2 \times 2 \times 2$	b	$7 \times 2 \times 1 \times 2$
c	$7 \times 2 \times 3 \times 2$	d	$5 \times 3 \times 3 \times 3$
e	$7 \times 2 \times 3 \times 2$	f	$5 \times 3 \times 3 \times 2$

5 × 27

4 Simplify this multiplication to a fully factored multiplication

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

5 × 70

5 Simplify this multiplication to a fully factored multiplication

a	$2 \times 13 \times 4 \times 5$	b	$2 \times 9 \times 4 \times 5$
c	$5 \times 7 \times 2 \times 5$	d	$2 \times 7 \times 1 \times 5$
e	$2 \times 9 \times 1 \times 5$	f	$5 \times 7 \times 3 \times 5$

35 × 15

6 Simplify this multiplication to a fully factored multiplication

a	$3 \times 6 \times 10 \times 5$	b	$2 \times 6 \times 2 \times 2$
c	$2 \times 6 \times 6 \times 4$	d	$2 \times 6 \times 6 \times 2$
e	$2 \times 3 \times 2 \times 2$	f	$3 \times 6 \times 10 \times 4$

6 × 4

7 Simplify this multiplication to a fully factored multiplication

a	$5 \times 6 \times 1 \times 5$	b	$5 \times 2 \times 2 \times 7$
c	$4 \times 4 \times 1 \times 5$	d	$5 \times 2 \times 1 \times 5$
e	$5 \times 2 \times 1 \times 7$	f	$1 \times 4 \times 1 \times 5$

5 × 28