

Prime & Composite Numbers Worksheets

Record the factors of the given numbers as multiplication sentences and as a list in order from least to greatest. Classify each as prime (P) or composite (C). The first problem is done for you.

	Multiplication Sentences	Factors	P or C
a.	4 $1 \times 4 = 4$ $2 \times 2 = 4$	The factors of 4 are: 1, 2, 4	C
b.	6	The factors of 6 are:	
c.	7	The factors of 7 are:	
d.	9	The factors of 9 are:	
e.	12	The factors of 12 are:	
f.	13	The factors of 13 are:	
g.	15	The factors of 15 are:	
h.	16	The factors of 16 are:	
i.	18	The factors of 18 are:	
j.	19	The factors of 19 are:	
k.	21	The factors of 21 are:	
l.	24	The factors of 24 are:	

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	Multiplication Sentences	Factors	P or C
a.	4 $1 \times 4 = 4$ $2 \times 2 = 4$	The factors of 4 are: 1, 2, 4	C
b.	6 $1 \times 6 = 6$ $2 \times 3 = 6$	The factors of 6 are: 1, 2, 3, 6	C
c.	7 $1 \times 7 = 7$	The factors of 7 are: 1, 7	P
d.	9 $1 \times 9 = 9$ $3 \times 3 = 9$	The factors of 9 are: 1, 3, 9	C
e.	12 $1 \times 12 = 12$ $2 \times 6 = 12$ $3 \times 4 = 12$	The factors of 12 are: 1, 2, 3, 4, 6, 12	C
f.	13 $1 \times 13 = 13$	The factors of 13 are: 1, 13	P
g.	15 $1 \times 15 = 15$ $3 \times 5 = 15$	The factors of 15 are: 1, 3, 5, 15	C
h.	16 $1 \times 16 = 16$ $2 \times 8 = 16$ $4 \times 4 = 16$	The factors of 16 are: 1, 2, 4, 8, 16	C
i.	18 $1 \times 18 = 18$ $2 \times 9 = 18$ $3 \times 6 = 18$	The factors of 18 are: 1, 2, 3, 6, 9, 18	C
j.	19 $1 \times 19 = 19$	The factors of 19 are: 1, 19	P
k.	21 $1 \times 21 = 21$ $3 \times 7 = 21$	The factors of 21 are: 1, 3, 7, 21	C
l.	24 $1 \times 24 = 24$ $4 \times 6 = 24$ $2 \times 12 = 24$ $3 \times 8 = 24$	The factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24	C