

# Octal Numbers

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Using the method of repeated division, or otherwise, convert the decimal number 4768 to base 8, showing all your workings.

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4768	596	596	0	$(0 \times 8)$	0
596	74.5	74	0.5	$(0.5 \times 8)$	4
74	9.25	9	0.25	$(0.25 \times 8)$	2
9	1.125	1	0.125	$(0.125 \times 8)$	1
1	0.125	0	0.125	$(0.125 \times 8)$	1

**Answer : 11240**

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