

Ten rolls that will ruin your evening

Two twelve-sided dice multiply to make the target. Use **all three six-sided dice exactly once** to hit it. Allowed: $+$ $-$ $\times$ $\div$ $!$ $\sqrt{}$ $^$. The answer must be a whole number.

Every one of these **can** be done exactly — that is what makes them cruel. They are the ten hardest solvable rolls out of all 4,368 in the game. Answers are hidden; click a roll when you give up.

1	6	$\times$	11	with	1 2 3 4 5 6	66
2	9	$\times$	12	with	1 2 3 4 5 6	108
3	1	$\times$	11	with	2 3 4 5 6	11
4	6	$\times$	11	with	2 3 4 5 6	66
5	11	$\times$	12	with	2 3 4 5 6	132
6	9	$\times$	9	with	2 3 4 5 6	81
7	4	$\times$	7	with	1 2 3 4 5	28
8	5	$\times$	12	with	1 2 3 4 5 6	60
9	7	$\times$	9	with	1 2 3 4 5	63
10	8	$\times$	8	with	1 2 3 4 5 6	64

ANSWERS

- $\sqrt{(\sqrt{(\sqrt{4^4!})})+\sqrt{4}} = 66$
- $\sqrt{(\sqrt{(\sqrt{(3!^4!)}))}\div 2} = 108$
- $\sqrt{(((3!)!+3!)\div 3!)} = 11$
- $\sqrt{(((3!)!+3!)\times 3!)} = 66$
- $\sqrt{(((3!)!+3!)\times 4!)} = 132$
- $\sqrt{(\sqrt{(\sqrt{(3^{\sqrt{4^5}})})})} = 81$
- $\sqrt{((2^3!)+(3!)!)} = 28$
- $\sqrt{(\sqrt{(\sqrt{4^4!})})-4} = 60$
- $\sqrt{(\sqrt{(\sqrt{4^4!})})-1} = 63$
- $\sqrt{(\sqrt{(\sqrt{4^{(5!\div 5)}})})} = 64$