



Math worksheet on 'Factorial Division - To Value (Level 1)'. Part of a broader unit on 'Probability and Statistics - Factorial Form Intro'

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1 Select the correct equivalent to this factorial

|                 |   |               |   |               |   |    |
|-----------------|---|---------------|---|---------------|---|----|
| $\frac{6!}{5!}$ | a | $\frac{1}{5}$ | b | $\frac{1}{4}$ | c | 56 |
|                 | d | 6             | e | 840           |   |    |

2 Select the correct equivalent to this factorial

|                 |   |                 |   |   |   |                |
|-----------------|---|-----------------|---|---|---|----------------|
| $\frac{6!}{4!}$ | a | $\frac{1}{210}$ | b | 1 | c | $\frac{1}{60}$ |
|                 | d | 30              | e | 4 |   |                |

3 Select the correct equivalent to this factorial

|                 |   |     |   |                |   |                  |
|-----------------|---|-----|---|----------------|---|------------------|
| $\frac{5!}{2!}$ | a | 120 | b | $\frac{1}{6}$  | c | $\frac{1}{5040}$ |
|                 | d | 60  | e | $\frac{1}{20}$ |   |                  |

4 Select the correct equivalent to this factorial

|                 |   |     |   |    |   |               |
|-----------------|---|-----|---|----|---|---------------|
| $\frac{6!}{3!}$ | a | 120 | b | 6  | c | $\frac{1}{6}$ |
|                 | d | 336 | e | 12 |   |               |

5 Select the correct equivalent to this factorial

|                 |   |                 |   |                |   |    |
|-----------------|---|-----------------|---|----------------|---|----|
| $\frac{4!}{2!}$ | a | $\frac{1}{720}$ | b | 5              | c | 12 |
|                 | d | 720             | e | $\frac{1}{30}$ |   |    |

6 Select the correct equivalent to this factorial

|                 |   |      |   |   |   |                  |
|-----------------|---|------|---|---|---|------------------|
| $\frac{5!}{4!}$ | a | 5    | b | 4 | c | $\frac{1}{2520}$ |
|                 | d | 2520 | e | 1 |   |                  |

7 Select the correct equivalent to this factorial

|                 |   |     |   |                 |   |      |
|-----------------|---|-----|---|-----------------|---|------|
| $\frac{6!}{2!}$ | a | 120 | b | $\frac{1}{120}$ | c | 2520 |
|                 | d | 360 | e | 1680            |   |      |