**Single variable substitution with division**

Green

Copy and complete the table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | $$\frac{h}{4}$$ | $$\frac{h}{3}$$ | $$\frac{h}{2}$$ | $$\frac{h}{12}$$ | $$\frac{h}{6}$$ |
| h = 24 |  | 8 |  |  |  |
| h = 48 |  |  |  |  |  |
| h = 12 |  |  | 6 |  |  |
| h = 120 |  |  |  |  |  |
| h = 72 | 18 |  |  |  |  |

Amber

If d = 8, find the value of:

|  |  |  |
| --- | --- | --- |
| a) $$\frac{d}{4}$$ | b) $$\frac{16}{d}$$ | c) $$\frac{d}{8}$$ |
| d) $$\frac{-d}{2}$$ | e) $$\frac{d}{-4}$$ | f) $$\frac{-d}{d}$$ |
| g) $$\frac{d}{16}$$ | h) $$\frac{d}{80}$$ | i) $$\frac{-1}{d}$$ |

Red

If k = -6, find the value of:

|  |  |  |
| --- | --- | --- |
| a) $$\frac{k}{2}$$ | b) $$\frac{12}{k}$$ | c) $$\frac{k}{-2}$$ |
| d) $$\frac{k}{60}$$ | e) $$\frac{-k}{120}$$ | f) $$\frac{-k}{-k}$$ |
| g) $$\frac{k}{-k}$$ | h) $$\frac{k}{2k}$$ | i) $$\frac{k+12}{-3}$$ |

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**Single variable substitution with division**

Green

Copy and complete the table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | $$\frac{h}{4}$$ | $$\frac{h}{3}$$ | $$\frac{h}{2}$$ | $$\frac{h}{12}$$ | $$\frac{h}{6}$$ |
| h = 24 | 6 | 8 | 12 | 2 | 4 |
| h = 48 | 12 | 16 | 24 | 4 | 8 |
| h = 12 | 3 | 4 | 6 | 1 | 2 |
| h = 120 | 30 | 40 | 60 | 10 | 20 |
| h = 72 | 18 | 24 | 36 | 6 | 12 |

Amber

If d = 8, find the value of:

|  |  |  |
| --- | --- | --- |
| a) $\frac{d}{4}$=2 | b) $\frac{16}{d}$=2 | c) $\frac{d}{8}$=1 |
| d) $\frac{-d}{2}$=-4 | e) $\frac{d}{-4}$=-2 | f) $\frac{-d}{d}$=-1 |
| g) $\frac{d}{16}$=2 | h) $\frac{d}{80}$=$\frac{1}{10}$ | i) $\frac{-1}{d}$=$-\frac{1}{8}$ |

Red

If k = -6, find the value of:

|  |  |  |
| --- | --- | --- |
| a) $\frac{k}{2}$=-3 | b) $\frac{12}{k}$=-2 | c) $\frac{k}{-2}$=3 |
| d) $$\frac{k}{60}=-\frac{1}{10}$$ | e) $$\frac{-k}{120}=\frac{1}{20}$$ | f) $\frac{-k}{-k}$=1 |
| g) $\frac{k}{-k}$=-1 | h) $$\frac{k}{2k}=\frac{1}{2}$$ | i) $\frac{k+12}{-3}$=-2 |

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