

1. Complete the missing number in these proportional pairs.

You may use the \downarrow or the \rightarrow scale factor.

(a)

$$\begin{array}{ccc} 7 & \xrightarrow{\times 10} & 70 \\ \times 8 \downarrow & & \downarrow \times 8 \\ 56 & \xrightarrow{\quad} & \dots\dots \\ & \times 10 & \end{array}$$

(b)

$$\begin{array}{ccc} 6 & \xrightarrow{\times 10} & 60 \\ \times 2 \downarrow & & \downarrow \times 2 \\ 12 & \xrightarrow{\quad} & \dots\dots \\ & \times 10 & \end{array}$$

(c)

$$\begin{array}{ccc} 5 & \xrightarrow{\times 1.2} & 6 \\ \times 10 \downarrow & & \downarrow \times 10 \\ 50 & \xrightarrow{\quad} & \dots\dots \\ & \times 1.2 & \end{array}$$

(d)

$$\begin{array}{ccc} 4 & \xrightarrow{\times 2} & 8 \\ \times 6 \downarrow & & \downarrow \times 6 \\ 24 & \xrightarrow{\quad} & \dots\dots \\ & \times 2 & \end{array}$$

proportionalPairsNC(2) Q1 (a) 560, (b) 120, (c) 60, (d) 48; Q2 (a) 300, (b) 210, (c) 60, (d) 150

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2. Complete the missing numbers in these proportional pairs.

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(a)

$$\begin{array}{ccc} 6 & \xrightarrow{\times 5} & 30 \\ \times 10 \downarrow & & \downarrow \times 10 \\ 60 & \xrightarrow{\quad} & \dots\dots \\ & \times 5 & \end{array}$$

(b)

$$\begin{array}{ccc} 7 & \xrightarrow{\times 2} & 14 \\ \times 15 \downarrow & & \downarrow \times 15 \\ 105 & \xrightarrow{\quad} & \dots\dots \\ & \times 2 & \end{array}$$

(c)

$$\begin{array}{ccc} 4 & \xrightarrow{\times 10} & 40 \\ \times 1.5 \downarrow & & \downarrow \times 1.5 \\ 6 & \xrightarrow{\quad} & \dots\dots \\ & \times 10 & \end{array}$$

(d)

$$\begin{array}{ccc} 5 & \xrightarrow{\times 15} & 75 \\ \times 2 \downarrow & & \downarrow \times 2 \\ 10 & \xrightarrow{\quad} & \dots\dots \\ & \times 15 & \end{array}$$

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$$\begin{array}{ccc} 4 & \xrightarrow{\times 10} & 40 \\ \times 1.5 \downarrow & & \downarrow \times 1.5 \\ 6 & \xrightarrow{\quad} & \dots\dots \\ & \times 10 & \end{array}$$

(d)

$$\begin{array}{ccc} 5 & \xrightarrow{\times 15} & 75 \\ \times 2 \downarrow & & \downarrow \times 2 \\ 10 & \xrightarrow{\quad} & \dots\dots \\ & \times 15 & \end{array}$$