

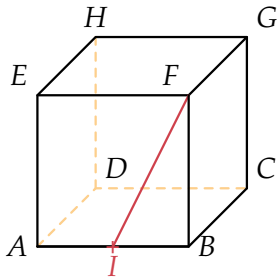
# Activités mentales ex 6 page 283

*Sésamath*

Maths TS obligatoire



$ABCDEFGH$  est un cube et  $I$  est le milieu de  $[AB]$ .



Compléter les égalités vectorielles suivantes :

- 1  $\vec{AI} + \vec{CD} - \vec{CI} = \vec{F}\dots$
- 2  $\vec{AH} + \vec{CD} - \vec{FG} = \vec{B}\dots$
- 3  $\vec{FD} + \vec{CB} + \vec{DG} = \dots$

1

$$\vec{AI} + \vec{CD} - \vec{CI}$$

1

$$\vec{AI} + \vec{CD} - \vec{CI} = \vec{AI} + \vec{CD} + \vec{IC}$$

1

$$\begin{aligned}\vec{AI} + \vec{CD} - \vec{CI} &= \vec{AI} + \vec{CD} + \vec{IC} \\ &= \vec{AI} + \vec{IC} + \vec{CD}\end{aligned}$$

1

$$\begin{aligned}\vec{AI} + \vec{CD} - \vec{CI} &= \vec{AI} + \vec{CD} + \vec{IC} \\ &= \vec{AI} + \vec{IC} + \vec{CD} \\ &= \vec{AD}\end{aligned}$$

1

$$\begin{aligned}\vec{AI} + \vec{CD} - \vec{CI} &= \vec{AI} + \vec{CD} + \vec{IC} \\ &= \vec{AI} + \vec{IC} + \vec{CD} \\ &= \vec{AD} \\ &= \vec{FG}\end{aligned}$$

2

$$\overrightarrow{AH} + \overrightarrow{CD} - \overrightarrow{FG}$$



2

$$\overrightarrow{AH} + \overrightarrow{CD} - \overrightarrow{FG} = \overrightarrow{AH} + \overrightarrow{CD} + \overrightarrow{GF}$$

2

$$\begin{aligned}\vec{AH} + \vec{CD} - \vec{FG} &= \vec{AH} + \vec{CD} + \vec{GF} \\ &= \vec{BG} + \vec{GH} + \vec{HE}\end{aligned}$$

2

$$\begin{aligned}\vec{AH} + \vec{CD} - \vec{FG} &= \vec{AH} + \vec{CD} + \vec{GF} \\ &= \vec{BG} + \vec{GH} + \vec{HE} \\ &= \vec{BE}\end{aligned}$$

3

$$\overrightarrow{FD} + \overrightarrow{CB} + \overrightarrow{DG}$$

3

$$\overrightarrow{FD} + \overrightarrow{CB} + \overrightarrow{DG} = \overrightarrow{FD} + \overrightarrow{DG} + \overrightarrow{CB}$$

3

$$\begin{aligned}\vec{FD} + \vec{CB} + \vec{DG} &= \vec{FD} + \vec{DG} + \vec{CB} \\ &= \vec{FG} + \vec{CB}\end{aligned}$$

3

$$\begin{aligned}\vec{FD} + \vec{CB} + \vec{DG} &= \vec{FD} + \vec{DG} + \vec{CB} \\ &= \vec{FG} + \vec{CB} \\ &= \vec{0}\end{aligned}$$