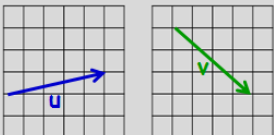


Outcome 1 - Adding & Subtracting Vectors

Bronze example

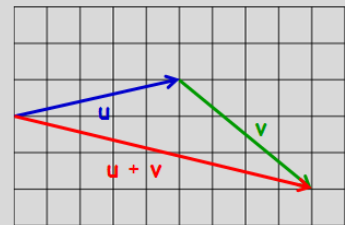
Examples... The diagrams below show 2 directed line segments u and v .



Sketch the vector $u + v$.

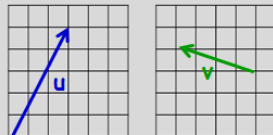
- Sketch vector u .
- Attach vector v .

Join them together!



Silver example

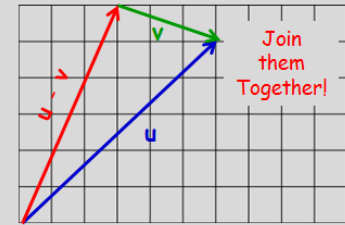
Examples... The diagrams below show 2 directed line segments u and v .



Sketch the vector $u - v$.

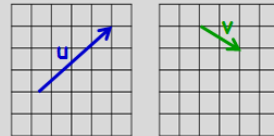
- Sketch vector $-v$.
- Attach vector u at the start of v .

Join them Together!



Gold example

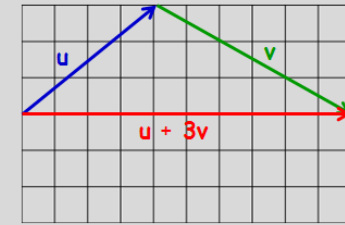
Examples... The diagrams below show 2 directed line segments u and v .



Sketch the vector $u + 3v$.

- Sketch vector u .
- Attach a vector 3 times the length of v .

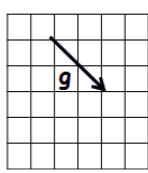
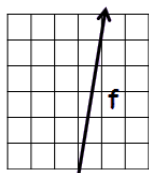
Join them together!



Bronze Questions

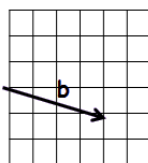
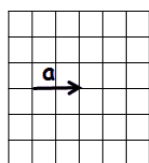
For the following directed line segments, sketch the resultant vectors.

1



Sketch $f + g$.

2

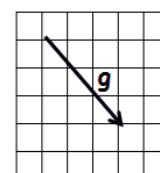
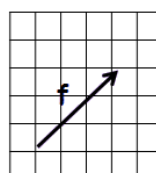


Sketch $a + b$.

Silver Questions

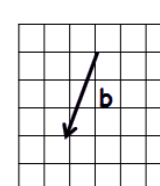
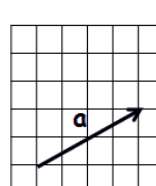
For the following directed line segments, sketch the resultant vectors.

1



Sketch $f - g$.

2

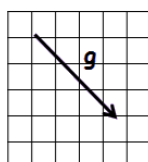
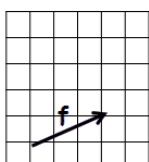


Sketch $a - b$.

Gold Questions

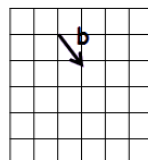
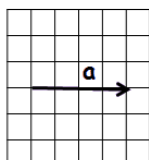
For the following directed line segments, sketch the resultant vectors.

1



Sketch $2f + g$.

2



Sketch $a + 3b$.

Bronze Answers

****Ask a teacher
to check your
diagrams****

Silver Answers

****Ask a teacher
to check your
diagrams****

Gold Answers

****Ask a teacher
to check your
diagrams****