### **Tangrams**

#### Activity 5 - Flower Tangrams



A tangram is an ancient Chinese puzzle. According to legend, a scholar named Tan discovered the game by accidentally dropping a square porcelain tile and breaking it into seven geometric pieces.

The seven tangram pieces are: two congruent small triangles (equal to each other in shape and size), two large congruent triangles, one medium sized triangle, one small square, and one parallelogram. These seven piece IRUP D FRPSOHWH WDQJUDP SX]]OH <RX FDQ VHH KRZ WKHVH Smake two sets of tangrams.

0 D N L Q J W D Q J U D P À R Z H U V L V D J H R P H W U L F D U W V D Q & R U DÀ RVZ/H design can be as simple or as complicated as you wish. All you need are several sets of tangram puzzles (or set that you can use as a template) and you are ready to get started!

- ‡ ) LUVW ORRN DW WKH H[DPSOHV JLYHQ RQ WKH7 WR OWORR ZQ OX JH OS VO own designs and create them.
- ‡ You can use one set of tangrams and trace the tangram pieces onto a sheet of paper (you can trace the s VKDSH RU GLIIHUHQW VKDSV PDQ\ WLPHV LQ D FRQ;JXUDWLR OLQH RI \RXU ARZHU \RX FDQ FUHDWH \RXU RZQ GHVLJQV E\
- ‡ 2U \RX FDQ DOVR WUDFH DQG FXW RXW WDQJUDP SLHFH-V IUF UDQJH WKHP LQ D FRQ;JXUDWLRQ WKDW ORRNV OLNH D ÀRZH FRORXU DQG JOXH \RXU ÀRZHU RQ WRS
- ‡ 5HPHPEHU WKDW \RX FDQ URWDWH ÀLS RU VOLGH WKH WDQJ WLIXO V\PPHWULFDO ÀRZHUV
- ‡ <RX FDQ PDNH JUHHWLQJ FDUGV XVLQJ \RXU WDQJUDP ÀRZHU LW LQ KDOI \*OXH \RXU ÀRZHU GHVLJQ RQ WKH IDFH RI WKH F someone special.

# Can you believe THIS is math?

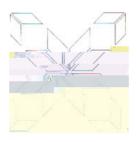
## **Tangrams**

### Activity 5 - Flower Tangrams - continued

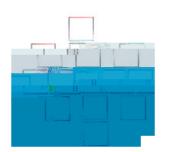
Flower Tangram Examples:



8VLQJ 2QO\ 7ULDQJOHV



8VLQJ 2QO\ 3DUDOOHORJUDPV



8VLQJ 2QO\ 6TXDUHV

8VLQJ 2QO\ 7ULDQJOHV DQG GUDZLQJ

HPV DQG FHQWU

8VLQJ 2QO\ 7ULDQJOHV DQG GUDZLQJ

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