Stay in Shape – Worksheet

Ships #1 and #2 sail at a speed of 10 km (squares)/hour.

Ship #1

Point A

Point B

45°

Side 1

Side 2

Side 3

Point C

It takes 1 hour to sail from Point A to Point B. How far is point B from the Lighthouse at Point C?

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Ship #2

Point D

Point E

Side 1

Side 2

Side 3

Point F

Island is exactly 12 km from lighthouse

It takes 1/2 hour to sail from Point D to Point E… how far is point D from the Lighthouse at Point F?

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Ship #3

Home Port

Ship #3 sails 10 squares/month. Sail for 1-1/2 months along the straight line from Home Port and mark where you would end up.

But, the real Earth is round so we must follow the circle. Where would you end up on the circle? Use the Stay in Shape Datasheet and a protractor on this circle to figure it out!