

Take a

Be Kind Break™



6<sup>th</sup>-8<sup>th</sup>  
Grade

be respectful



Math

The **Be Kind Pledge** lists 10 skillsets of kindness.  
This month we are focusing on **Be Respectful**.



  
**kind**

I pledge to

- Be Encouraging
- Be Supportive
- Be Positive
- Be Helpful
- Be Honest
- Be Considerate
- Be Thankful
- Be Responsible
- Be Respectful
- Be a Friend

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## What does RESPECTFUL mean?

The dictionary says showing respect is the act of giving attention, thought, gratitude or admiration to someone.

When you are respectful you recognize and appreciate others for who they are.

It is being aware of how you treat yourself and others, and doing so with kindness.

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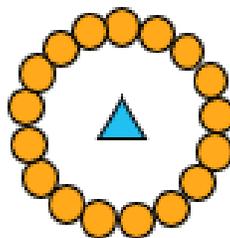
Math

## Respect My Groove

In the BE KIND CREW, there are many people specializing in different styles of dance. The CREW respects and encourages many styles through a jam circle called a cypher.

In a cypher, there is usually one person in the middle and many people creating the circle on the outside. It is important to make the circle big enough so that the dancer inside has enough room to groove.

If Alix is the triangle in the middle and the other CREW members are represented with the circles, this is what a cypher looks like.



If Alix is the leader of the cypher circles for this weekend, she needs to make sure that all CREW members have enough space to move and groove. Can you help Alix with these questions about cypher circles?

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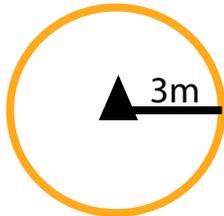
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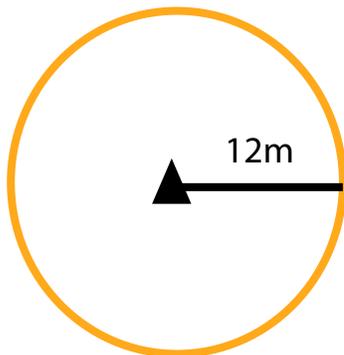
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### Respect My Groove

1. Alix needs 3 meters of space to do her favorite move: the floss. If Alix is in the middle, find the distance around (circumference of) the circle.



2. Kunta needs more space to practice his head spin because he doesn't want to kick anyone! If Kunta needs 12m of space, find the distance around (circumference of) the circle.



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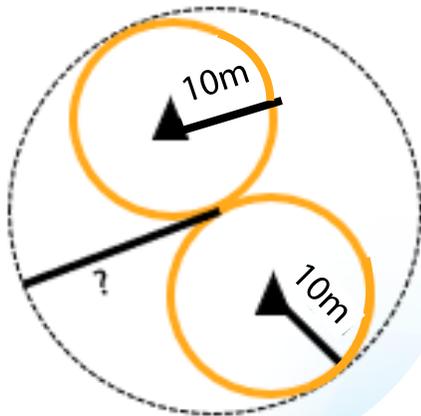
6<sup>th</sup>-8<sup>th</sup>  
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Math

### Respect My Groove

3. If there are two dancers in the circle and each need at least 10m of space, how big do the outsides of these circle need to be to give each dancer enough room?



Hint: First find the 'r' value of the big circle.

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### Answer Guide

Circumference formula:  $\pi d$

1.  $\pi(6) = 18.84\text{m}$
2.  $\pi(24) = 75.36\text{m}$
3. The 'r' of the big circle is found by adding the radii of the smaller circles [  $(10\text{m} + 10\text{m}) = 20\text{m}$  ] and the distance of the big circle [  $(20\text{m} + 20\text{m}) = 40\text{m}$  ].

$$\pi(40) = 125.6\text{m}$$

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## Academic Standards & References

Common Core Standards and College and Career Readiness

CCSS.MATH.CONTENT.7.G.A.1 Geometric Figures

CCSS.MATH.CONTENT.7.G.B.4 Circumference

CCSS.MATH.CONTENT.7.G.B.6 Real World Circumference Application

CCSS.MATH.CONTENT.8.G.A.2 Congruency

CCSS.MATH.CONTENT.8.G.C.9 Formulas for Real World Application

  
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