Topics for review:

* Algebra and Equations
* Ratios
* Fractions, Percentages, Decimals
* Circles, Area
* Angles, Triangles, Quadrilaterals

Relay1: Find x and pass to the next player

1. In my chocolate cake recipe, the ratio of flour to cocoa is 2: 1/4. If I use 1 cup of flour, how many cups of cocoa do I need? 1/8
2. Express *x* as a percentage? 12.5%
3. What is x% of an angle of revolution? 45°
4. What is =? 6
5. What is the perimeter of a circle with a radius of x cm (express in π)? 12π cm

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| 1. What is x% of an angle of revolution? | 1. What is x% of an angle of revolution? | 1. What is x% of an angle of revolution? |
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Relay2: Construction activity

1. Draw 2 parallel lines with a transversal line. Label the top-right angle 45° and the left as α
2. Write an equation to calculate α, giving reasons. Label the angle corresponding to α as β
3. Write an equation to calculate β, giving reasons. Label its co-interior angle as θ.
4. Write an equation to calculate θ, giving reasons. Label its supplement as γ.
5. Write an equation using α, θ, λ, giving reasons.

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| θ  45°  α  β  γ | OR |

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| 1. Draw 2 parallel lines with a transversal line. Label the top-right angle 45° and the left as α | 1. Draw 2 parallel lines with a transversal line. Label the top-right angle 45° and the left as α | 1. Draw 2 parallel lines with a transversal line. Label the top-right angle 45° and the left as α |
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| 1. Write an equation to calculate θ, giving reasons. Label its supplement as γ. | 1. Write an equation to calculate θ, giving reasons. Label its supplement as γ. | 1. Write an equation to calculate θ, giving reasons. Label its supplement as γ. |
| 1. Write an equation using α, θ, γ, giving reasons. | 1. Write an equation using α, θ, γ, giving reasons. | 1. Write an equation using α, θ, γ, giving reasons. |