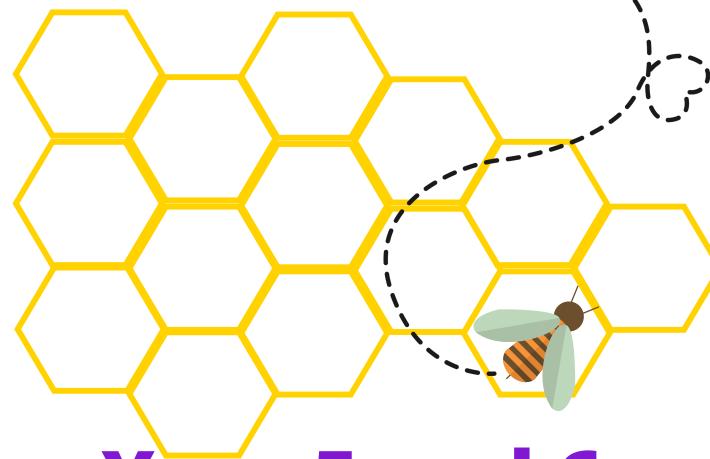
# Ultimate reasoning resources

To support teachers, parents and schools to develop communication, talking and justification

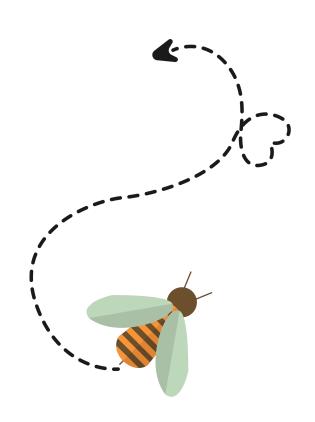


Year 5 and 6 John Bee

@mrbeeteach

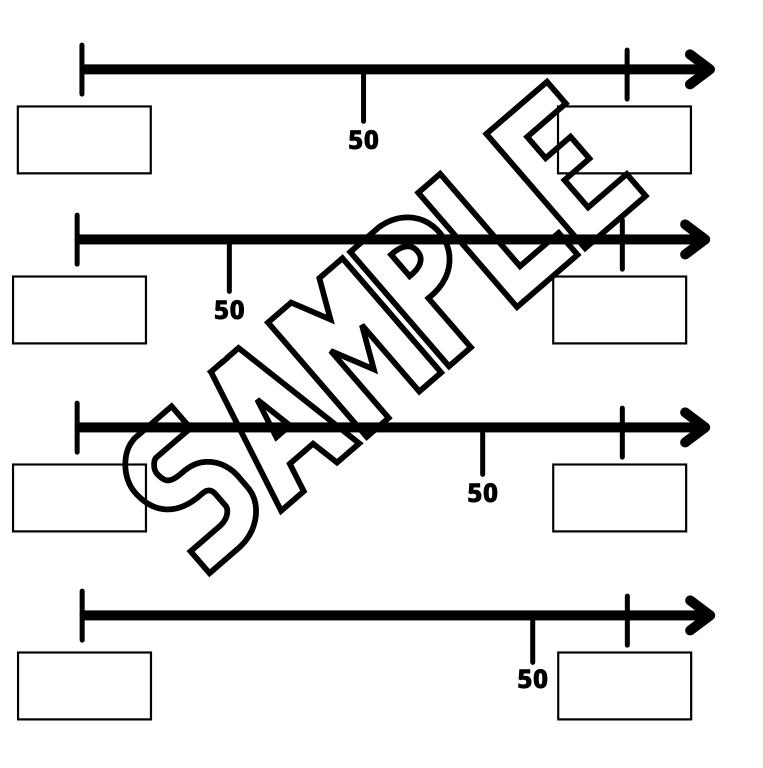
## Contents

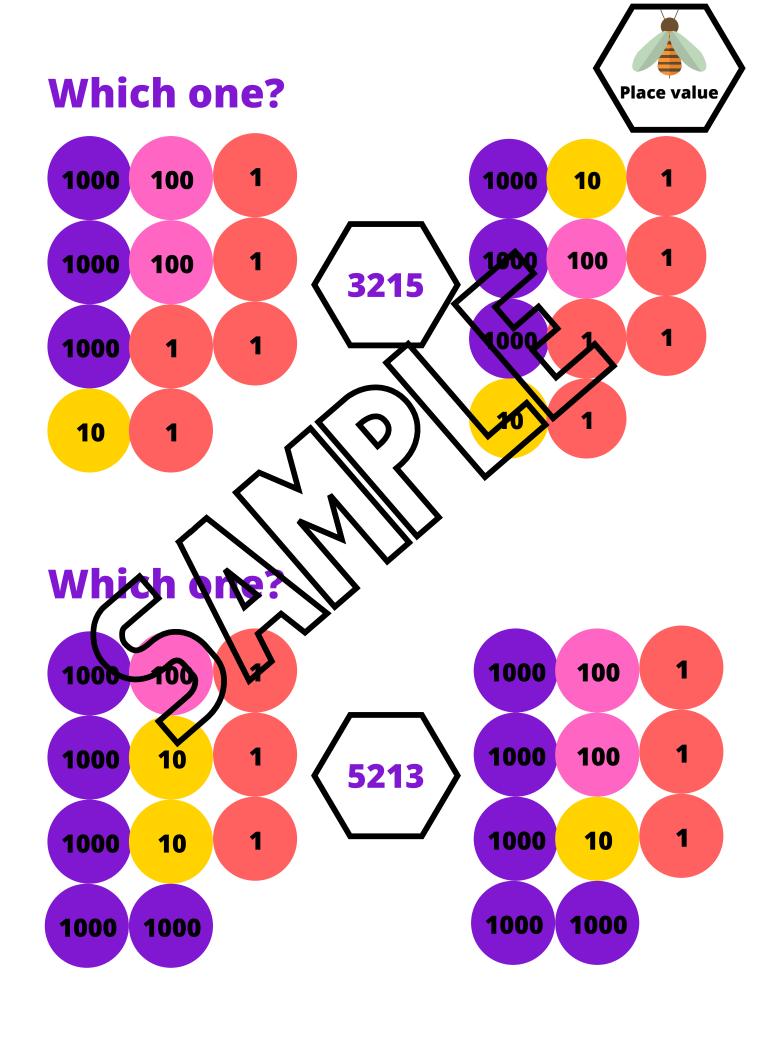
- 1. Place value
- 2. Addition and subtraction
- 3. Multiplication and division
- 4. Fractions
- 5. Ratio
- 6. Algebra
- 7. Measures
- 8. Geometry
- 9. Statistics
- 10. Riddles





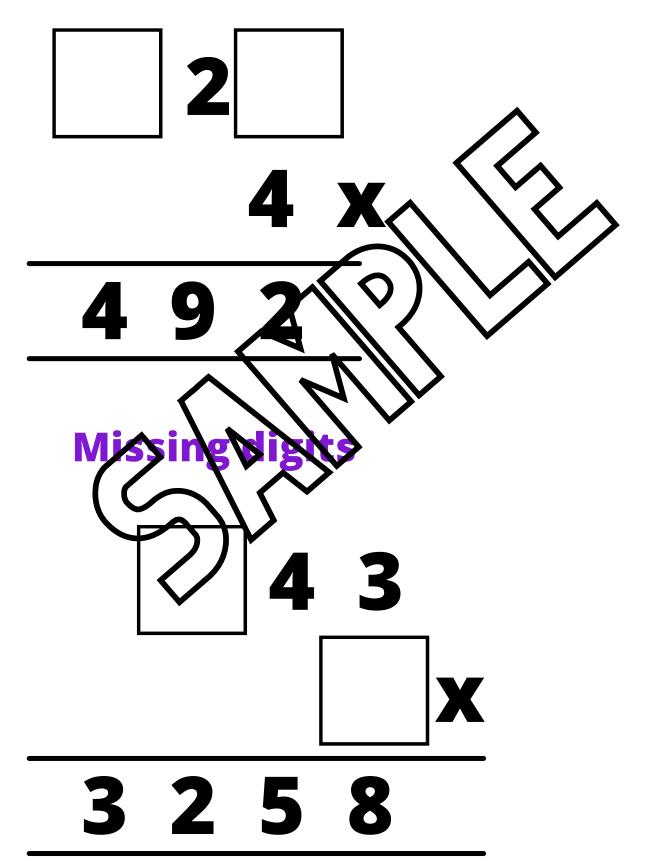
## What could the missing numbers be?





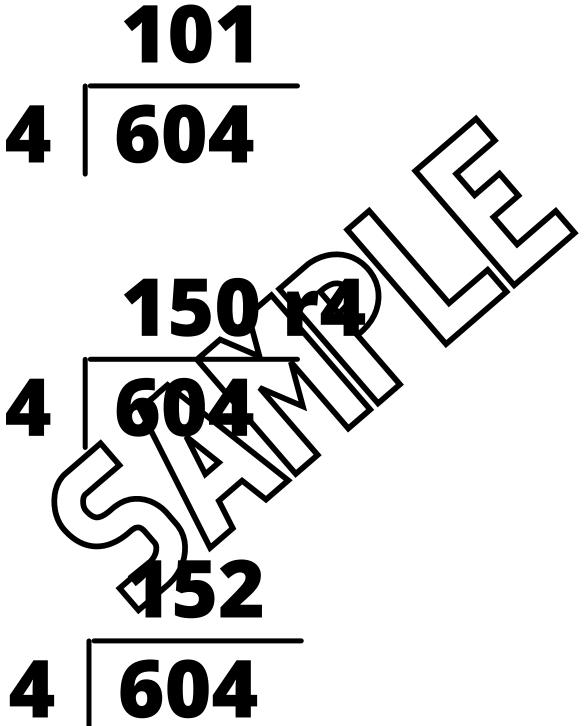
#### **Missing digits**





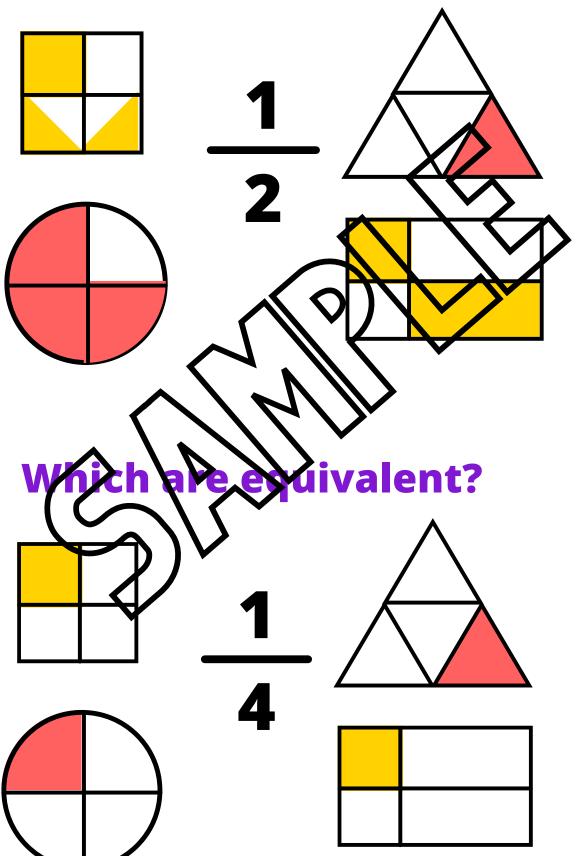
### What are the mistakes?





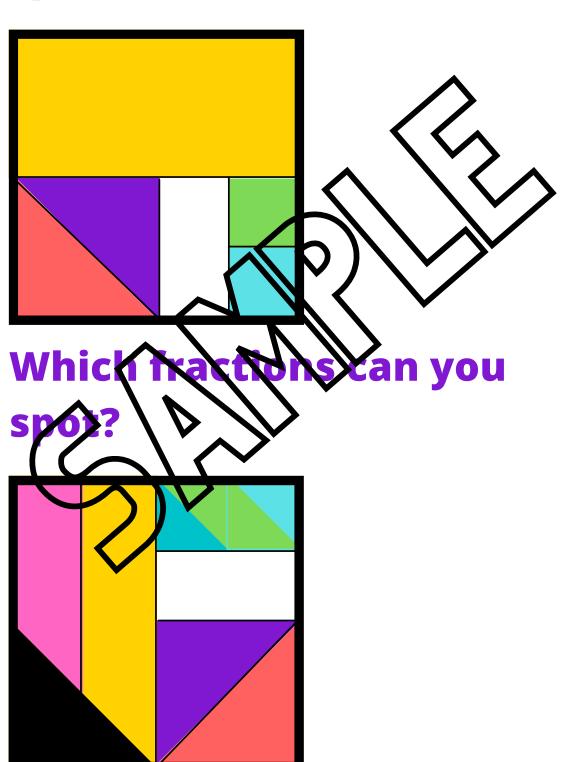
#### Which are equivalent?







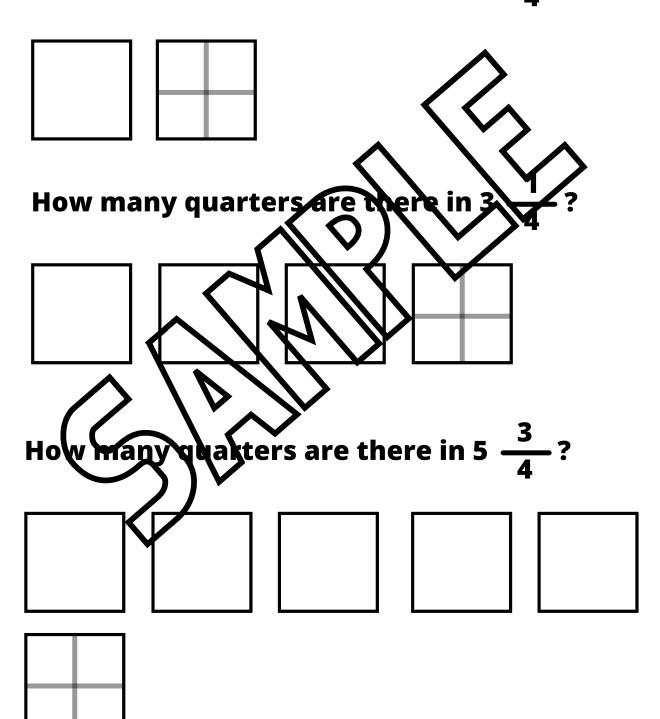




#### Reason



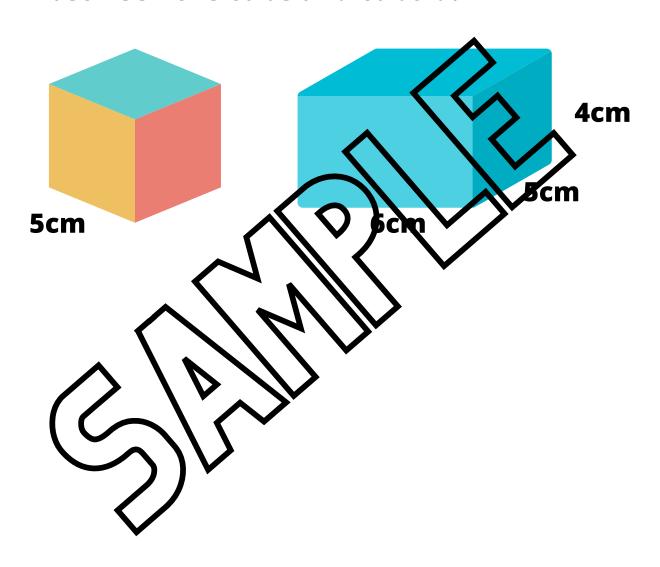
How many quarters are there in 1  $\frac{1}{4}$ ?





#### **Difference**

Calculate the difference in volume between the cube and cuboid.



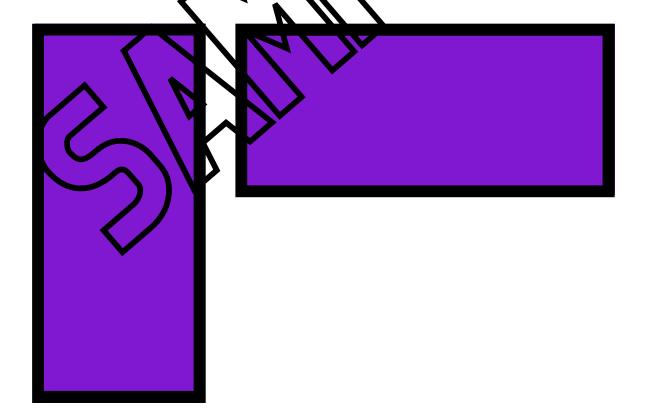


#### Reasoning

Here are two identical rectangles. Cut them out and measure them with a ruler.

Can you make a shape with the smallest possible perimeter?

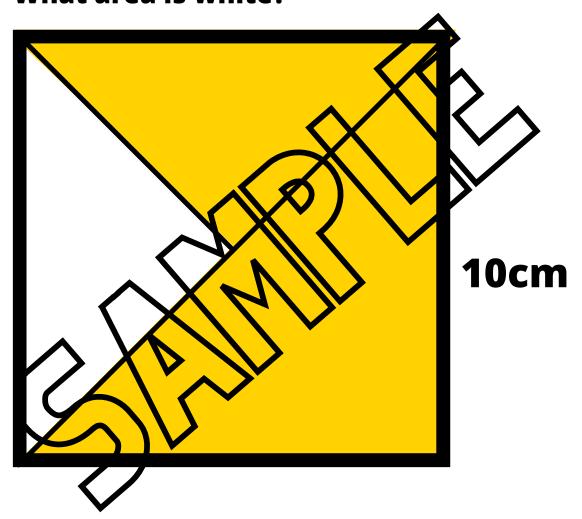
Can you make a shape with the smallest possible axea?

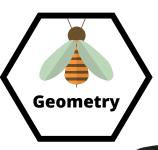




#### **Calculate**

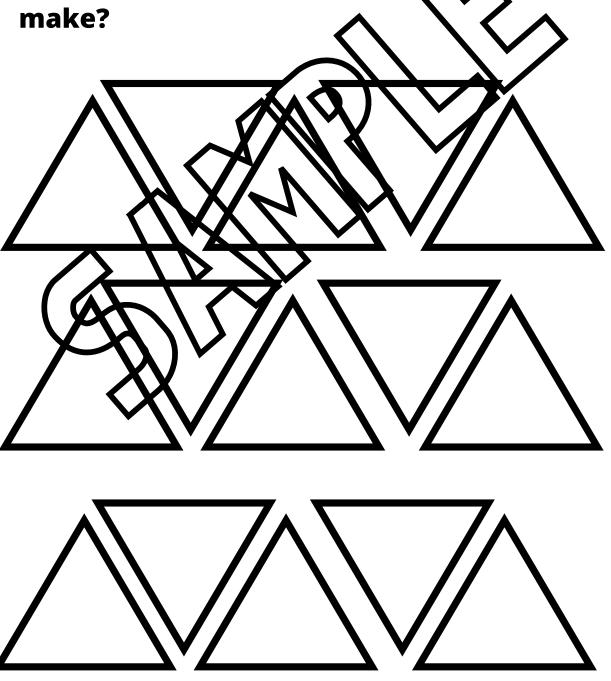
Look at the square.
What area is yellow?
What area is white?

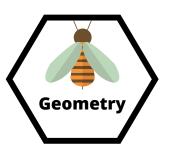




#### Reasoning

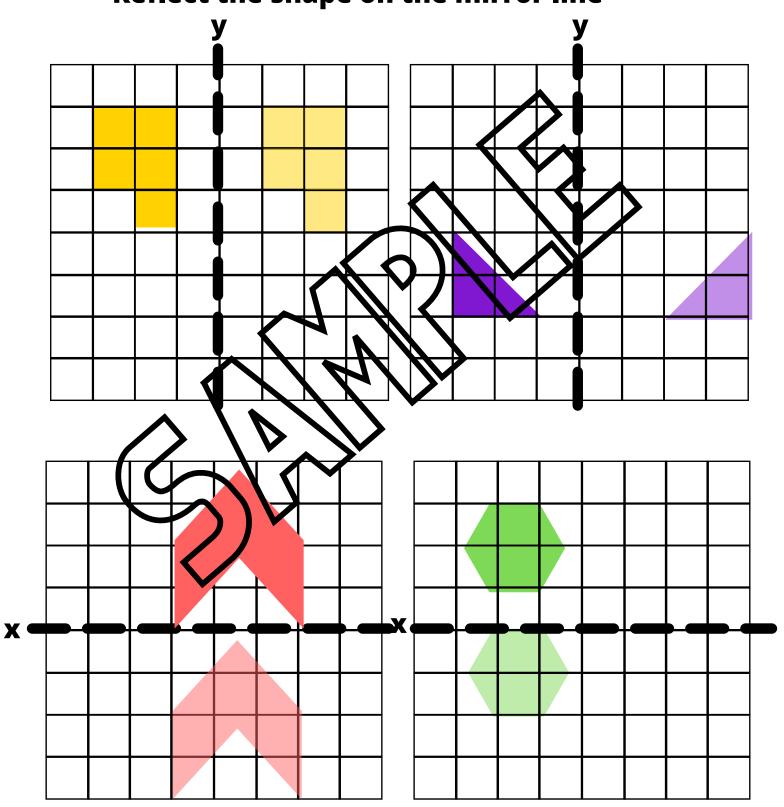
Cut out the templates of the triangles. How many different nets of a pyramid can you

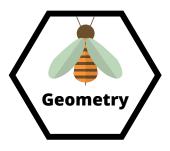




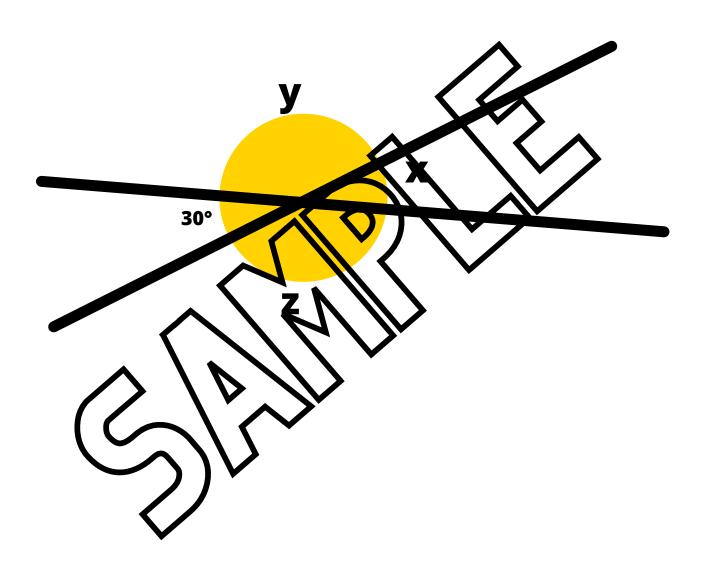
#### What are the mistakes?

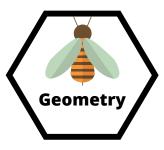
Reflect the shape on the mirror line





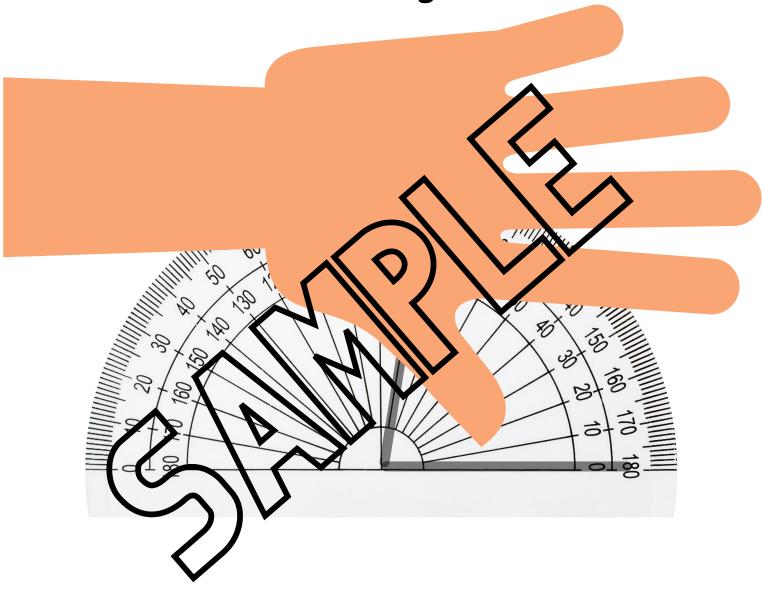
**Reasoning**How would you calculate the size of each angle?





#### **Estimate**

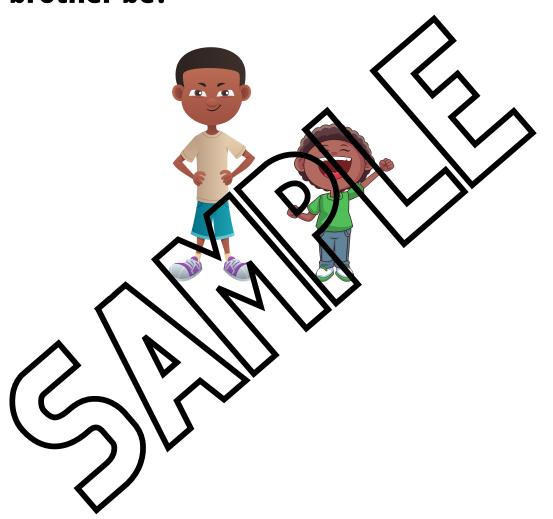
How much does the angle measure?

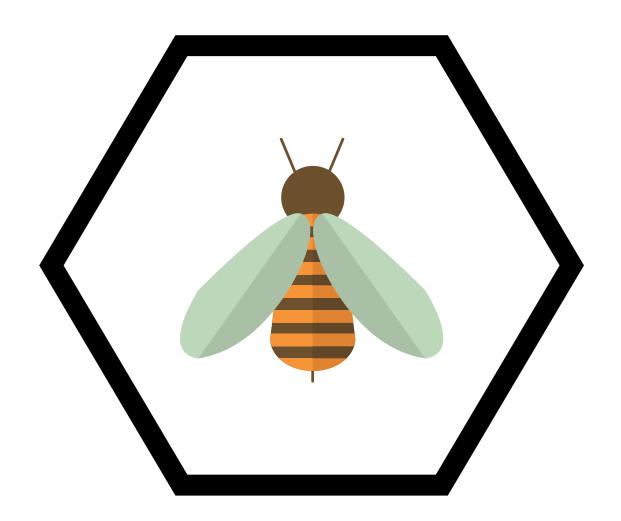




#### Riddle

When Sam was 6, his brother was half his age. When Sam is 60, how would will his brother be?





#### www.mrbeeteach.com @mrbeeteach