## WALT estimate and compare angles.

## WILF:

- Know angles are measured in degrees
- Estimate and compare acute, obtuse and reflex angles.

Twink Slides - E = edited.

Here are three types of angle: reflex, acute and obtuse - can you remember which is which?

- What type of angle is shown in each biscuit picture?
- Estimate the size of each angle.

Remember to use what you already know about angle properties.


Measuring Angles in Degrees
Watch this fun video to help you remember angle sizes:
https://safeYouTube.net/w/coJE

reflex $230^{\circ}$

A Reflex Angle is more than $180^{\circ}$ but less than $360^{\circ}$

acute $45^{\circ}$

obtuse $120^{\circ}$

Confused? Look here: https://www.mathsisfun.com/angles.html

Estimate the angles and then order from smallest to greatest.


Estimate the angles and then order from smallest to greatest.


Use the greater than, less than and equals symbols (> < =) to complete these statements. Think about the 'slices of pizza' to help with the fractions.
a quarter turn

$\frac{5}{8}$ of a turn

$\frac{3}{4}$ of a turn

a right angle

## a quarter turn


$\frac{5}{8}$ of a turn

$\frac{3}{4}$ of a turn

a right angle

## Pssst: clockwise is the direction a clock hand moves in.

If I turn in a clockwise direction from north to north-west, my turn is an acute angle.

Is Sam correct? Explain your answer.

If I turn in a clockwise direction from north to north-west, my turn is an acute angle.

Is Sam correct? Explain your answer.

Sam is incorrect. If you turn clockwise from north to north-west, this is nearly a full turn. It is $315^{\circ}$.
If Sam had turned anticlockwise, this would have been an acute angle of $45^{\circ}$.

## True or False?

$\frac{3}{8}$ of a whole turn is less than a right angle.

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$\frac{3}{8}$ of a whole turn is less than a right angle.

False. $\frac{3}{8}$ of a whole turn is $135^{\circ}$ and a right angle is $90^{\circ}$.


## Calculating Angles on a Straight Line

Now please complete the activity - 'Week 5. Maths. Thursday Activity.'


