

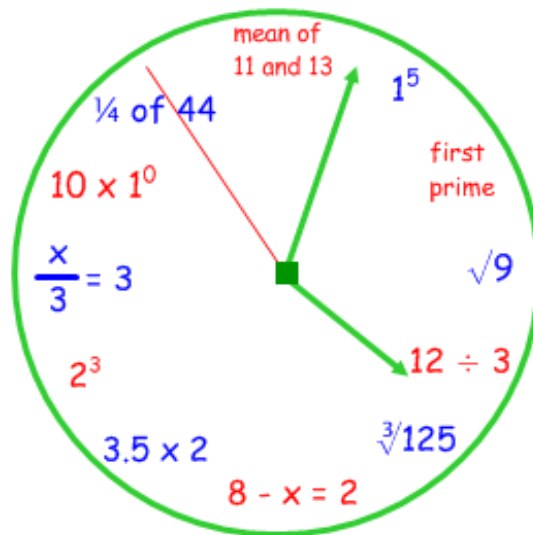
You are going to create a clock face with mathematical expressions instead of regular numbers.

Equipment

- | | |
|---------------------|------------|
| - card | - ruler |
| - pair of compasses | - scissors |
| - protractor | - pencil |

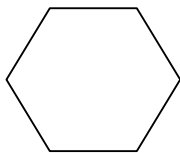
Instructions

- Using a pair of compasses and a sharp pencil, draw a circle onto your card and cut it out. This will be your clock face, so think carefully about the size you want. Remember to mark the centre of the circle.
- Thinking about how many degrees are in a circle and how many numbers are around the clock, calculate the number of degrees there will be between each number. Using a protractor, ruler and pencil, lightly mark the divisions of your clock where the numbers will go.
- Design 12 imaginative mathematical questions and expressions to represent the numbers 1 to 12. Try to use a variety of topics. When you are sure your expressions are correct, add them to your clock face.

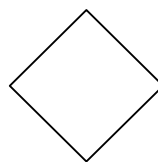


Extension

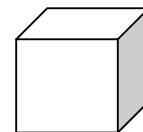
Try using a different shaped face:



regular hexagon



rhombus



cube

(6 faces give 72 questions in total!)