



Turbo Math

Vocabulary

Explain the meaning of... GEOMETRY

2 dimensional

vertical

rhombus

coordinate grid

face

cuboid

reflex

irregular

parallelogram



Turbo Math

True or False?

(a) A 360° turn can be made with **four acute angles**.

(b) A 360° turn can be made with a **reflex angle** and **two acute angles**.

(c) A 360° turn can be made with a **reflex angle** and **two obtuse angles**.

Extend: A 360° turn can be made with obtuse angles.
How many ways can this question be answered?



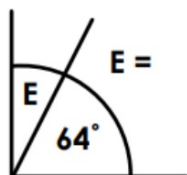
Turbo Math

Always, Sometimes or Never?

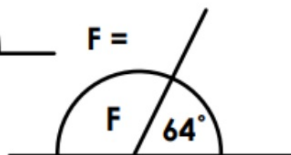
Triangles have smaller angles than quadrilaterals

Small Difference Questions

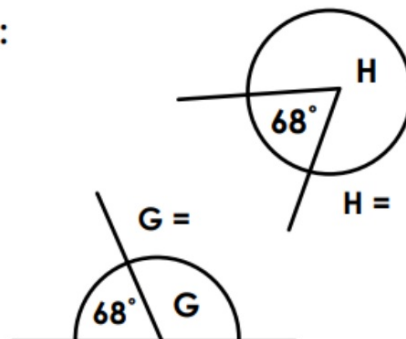
Calculate the missing angles:



E =



F =



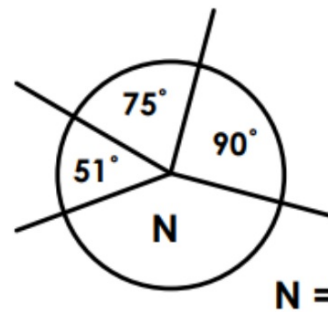
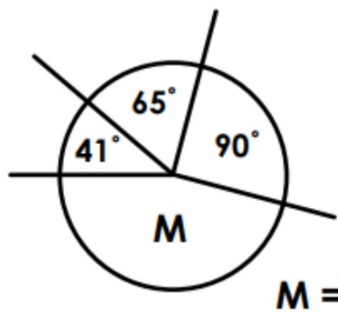
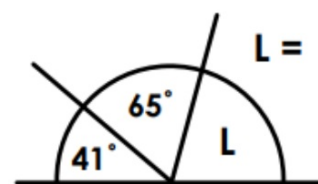
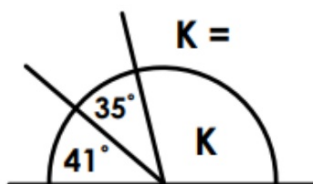
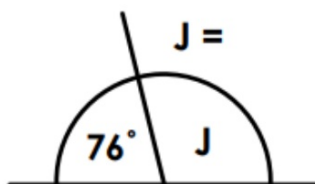
G =

H =



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Calculate the missing angles:



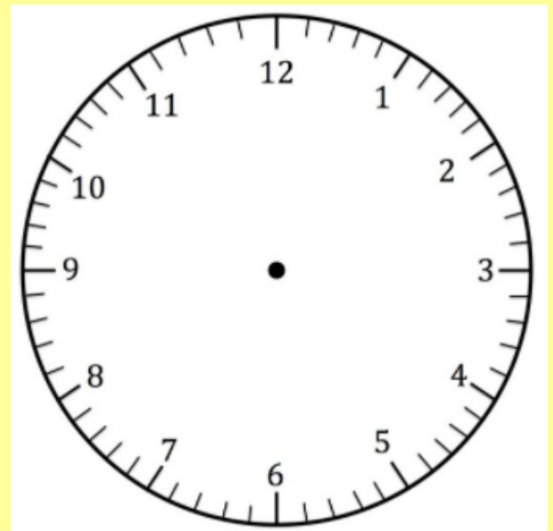
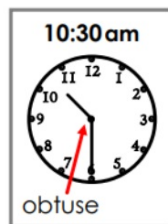


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Multi-Skill

At each time, is the smaller angle between the minute hand and the hour hand **acute**, **obtuse** or a **right-angle**?

7:10am 4:00pm 9:00am
9:30pm 8:55pm





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Angles



BINGO

- angles

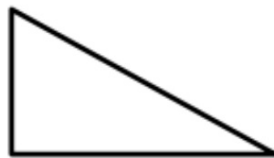
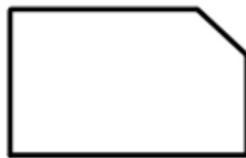
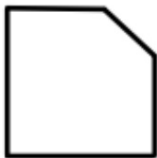
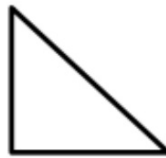


reading a protractor - multiples of 10	straight line - multiples of 10	right-angled triangle - multiples of 5	triangle - multiples of 10	round a point - multiples of 10
straight line - multiples of 5	right-angled triangle	triangle - multiples of 5	round a point	



Turbo Math

How many lines of symmetry does each shape have?

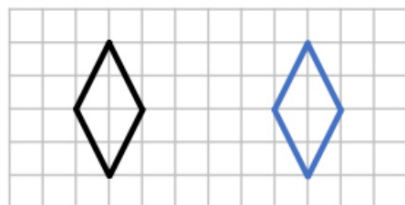
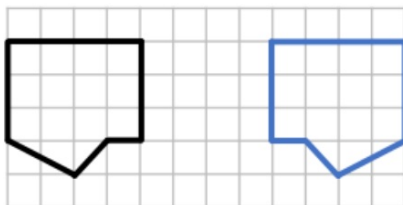
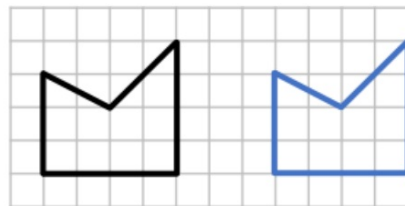
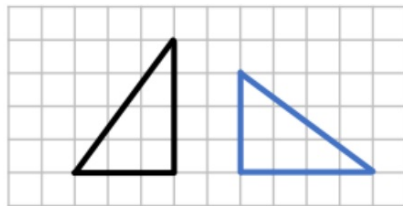




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Which Answer?

For each example, has the black shape been **reflected**, **translated** or **rotated**?





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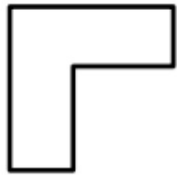
Explain

All four shapes...

Two shapes have...

Three shapes have...

One shape has...



Use different properties of shape in your answers.



Turbo Math

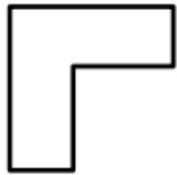
Explain

All four shapes...

Two shapes have...

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One shape has...



Use different properties of shape in your answers.



Turbo Math

What's the Question?

Here is a train timetable:

Macclesfield	7:45	8:27	9:05	9:52
Poynton	7:57	8:38	9:17	10:04
Cheadle Hulme	8:03	8:45	9:24	10:10
Stockport	8:08	8:50	9:30	10:16
Manchester Piccadilly	8:19	9:01	9:41	10:27

1. The answer is 8:08. **What's the question?**
2. The answer is 9:05. **What's the question?**
3. The answer is 11 minutes. **What's the question?**



Turbo Math

Explain

For each shape, **how many sides need to be measured** to calculate the **perimeter**?

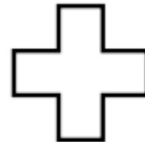
rectangle



square



cross



isosceles
triangle



Explain why you **don't** have to measure every edge.



Turbo Math

Explain



Complete the sentences:

purple + orange =

black – blue =

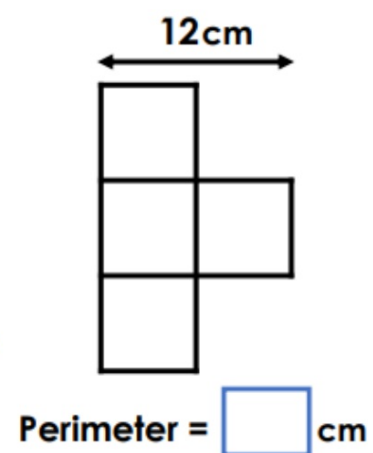
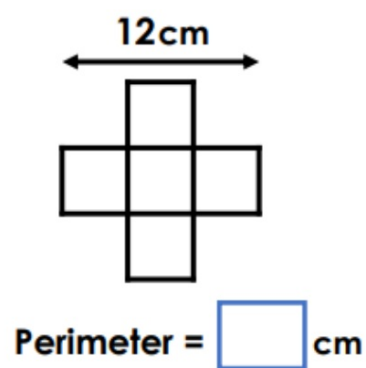
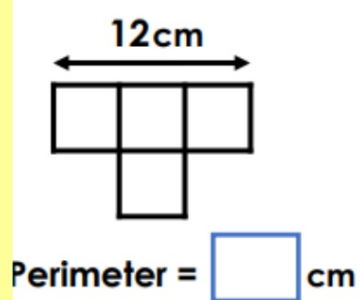
Write your own.



Turbo Math

Each shape is made using squares.

Calculate the perimeter of each shape.





Turbo Math

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Turbo Math

Measurement



BINGO - measures



Make 1m
cm



Make 1m
m



Convert
m to cm



Convert
cm to m



Convert
m to km



Make 1kg
g



Make 1kg
kg



Convert
kg to g



Convert
g to kg



Make 1 l
ml



Convert
l to ml



A. Blundred