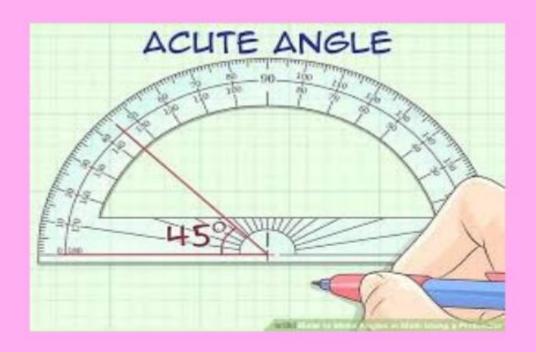
08.02.21

# L.O. I can identify right angles and multiples of 90.º





Level I

Level 2

Level 3

Level 4

Level 5

Level 6



Mental Maths Challenge



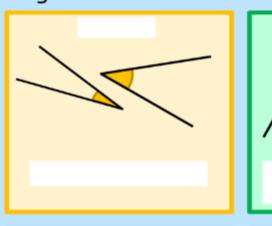
Top marks

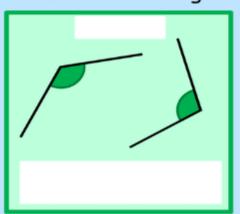
# What is an angle?

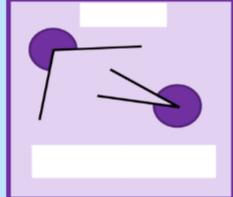
### What are the different types of angles?

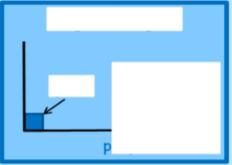


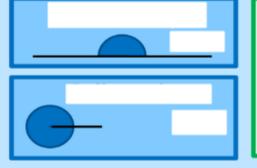
Angles are named or classified according to their size.





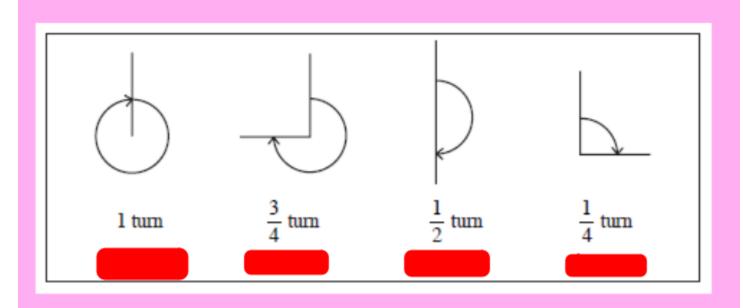




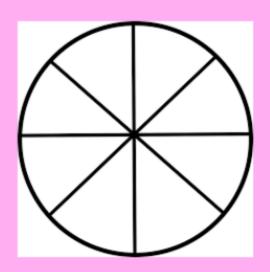


### Check your units!

Angles are usually measured in degrees, with 360° making a full turn. This is different to degrees Celsius, which measures temperature.



# Copy into books (remember to use this throughout the week to help you!)



Measure of a turn	Angle
<u>1</u> 8	
<u>1</u> 4	-
<u>3</u> 8	
<u>1</u> 2	
<u>5</u> 8	
<u>3</u> 4	-
<u>7</u> 8	
1 whole	-

# How many degrees has the minute hand moved if it started at 12?



How many degrees will I move through if I turn from NW to N anti-clockwise?



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L.O. I can identify right angles and multiples of 90.

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Choose where you would like to start. Make sure you clearly identify which question is which please, so Section A Q 4 would be A4 and then if the next was Section C Question 8 it would be C8.

Thank you.

### TARGET To identify right angles and other multiples of 90°,

A quarter turn is 90". A half turn is 180°.

A three quarter turn is 270°.



A whole turn is 360°.



Find the new time if the hour hand of a clock turns:

- 1 90" from 9 o'clock
- 2 180° from 3 o'clock
- 360° from 12 o'clock
- O 90" from 3 o'clock
- 180" from 6 o'clock
- 6 90° from 12 o'clock
- 360" from 6 o'clock
- 180' from 9 o'clock.

How many degrees is the turn clockwise from:

- S to W
- (B) W to N
- W to E
- O Sto N
- I E to S
- 1 N to E
- P Nto 5 I E to W?

How many degrees is the turn anti-clockwise from:

- W to S
- 2 N to W
- I N to S
- E to W 2 Eto N
- 22) W to E? S to E

Find the new time if the hour hand of a clock turns:

- 180" from 8 am
- 2 90° from 1 pm
- 360° from 6 pm
- 270° from 5 am
- 63 180° from 10 pm
- 6 90° from 3 pm
- 20 360" from 2 am
- 270° fróm 11 am.

How many degrees is the turn clockwise from:

- S to W
- ID NE to SW
- W to S
- I SE to SE
- IB E to S
- SE to NE
- 1 N to S
- 16 SW to NW?

How many degrees is the turn anti-clockwise from:

- I Eto N
- III NE to SW
- W to N
- N to N
- 2 SE to SW
- NW to SW
- 3 S to E
- 23 SW to NE?

How many degrees does the minute hand turn in:

- 15 minutes 3 45 minutes
- 2 5 minutes 20 minutes
- 6 55 minutes 60 60 minutes
- 10 minutes 35 minutes?

How many degrees is the turn clockwise from:

- W to NW
- S to SE
- SW to N
- NE to W
- (B) E to SW
- M NE to E
- ID NW to 5
- 16 N to NW7
- Calculate the missing angles a-h.

















# Class challenge!

