Bearings

Wednesday, 21 February 2018 9:18 AM



Work to be complete once teaching has finished:

4.4 Bearings	rcise 4D	Understanding 1-3	2
Let's start: Navigating a square		Fluency 4-8	4, 6, 8
Key ideas		Problem-solving 9-12	11, 12
Example 7, 8	Exe	Reasoning 13-15	14, 15
		Enrichment 16-17	16, 17

RECAP

There are lots of ways angles are used in real life.

- X Your mobile phone, for example, is a very clever piece of equipment which is connect to between 3 and 5 satellites at any onetime. The reason ... to help you with GPS functionality.
- Google Maps (for example) uses this information to help you get from A to B.
- Your mobile phone provider also uses your phone, in a different way, to locate where you are. It uses, triangulation:



Bearings

 $\parallel~$ Type into Google the word bearing and the chances are you get all sorts of things.





Deep groove ball bearing

Bear ring LOL

Sadly, the Mathematics behind bearings \ldots has nothing to do with jewellery. And everything to do with angles.





15°

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Pythay

9 km

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Remember, that Maths is NOT a subject which should be learnt in chapters, revised for when there is a test, and then promptly forgotten.

Remember:

There is a HUGE difference between understanding vs cramming and remembering for a test.







Give the true bearings from O to A.



Find the true bearing, correct to the nearest degree, of point A from O.



0+90° = True Bearly