

Name: _____

Date: _____

Angles and Bearings

1. What angle do you turn through if you turn clockwise from (a) N to S.
(b) E to W
(c) N to NE.
(d) S to NE.
(e) W to NW.

PREVIEW

2. What is the bearing of S from N?
(a) N
(b) NE
(c) W
(d) SW
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3. On what bearing is a ship sailing if it is heading:
(a) West?
(b) North-East?
(c) South-West?

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4. What is the bearing of the bearing below?
(a) 045°
(b) 200°
(c) 180° .

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5. An airplane flies from Newquay to Birmingham on a bearing of 044° . On what bearing should the pilot fly, to return to Newquay from Birmingham?

Angles and Bearings

Answers

1. What angle do you turn through if you turn clockwise from
- (a) N to S. 180°
 - (b) E to W 180°
 - (c) N to NE. 45°
 - (d) S to NE. 225°
 - (e) W to NW. 45°

2. What is the bearing of:

- (a) N 000°
- (b) NE. 045°
- (c) W 270°
- (d) SW. 225°

PREVIEW

3. On what bearing does a ship coming to a bearing: Gain unlimited access to a large collection of interactive digital and print Maths resources

- (a) West 270°
- (b) North-East? The bearing of North-East is 045°
- (c) South-West? The bearing of South-West is 225°

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4. What is the back bearing for each of the bearings below?

- (a) 045° The back bearing of 45° is $180^\circ = 225^\circ$
- (b) 200° The back bearing of 200° is $200^\circ - 180^\circ = 20^\circ$
- (c) 180° The back bearing of 180° is not 360°

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5. An airplane flies from Newquay to Birmingham on a bearing of 044° . On what bearing should the pilot fly, to return to Newquay from Birmingham?

224°