

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

(a) N

(b) NE.

(c) W

(d) SW. Gain unlimited access to a large collection of interactive digital and print Maths resources

3. On what bearing is a ship sailing if it is heading:

(a) West?

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(b) North-East?

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(c) South-East?



4. What is the back bearing or reciprocal bearing to each of

the bearings below?

(a)  $045^\circ$

(b)  $200^\circ$

(c)  $180^\circ$

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5. An airplane flies from Newquay to Birmingham on a bearing of  $044^\circ$ . 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.  $180^\circ$
- (b) E to W  $180^\circ$
- (c) N to NE.  $45^\circ$
- (d) S to NE.  $225^\circ$
- (e) W to NW.  $45^\circ$

2. What is the bearing of:

- (a) N  $00^\circ$
- (b) NE.  $045^\circ$
- (c) W  $270^\circ$
- (d) SW.  $225^\circ$

**PREVIEW**

3. On what bearing is the bearing of

- (a) West  $090^\circ$
- (b) North-East?  $045^\circ$
- (c) South-West?  $225^\circ$

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4. What is the back bearing or reciprocal bearing to each of the

- (a)  $045^\circ$
- (b)  $200^\circ$
- (c)  $180^\circ$



$180^\circ = 225^\circ$   
 $- 180^\circ = 20^\circ$   
 $(360^\circ - 180^\circ) = 180^\circ$  (This is not  $360^\circ$ )

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

$224^\circ$