## TARGET To recognise half turns, three quarter turns and whole turns as numbers of right angles.

 $\frac{1}{4}$  turn right angle

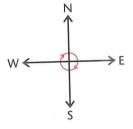
half turn 2 right angles



three quarters turn

3 right angles

whole turn 4 right angles





Find the new time if the hour hand:

makes a ½ turn

turns a right angle

- 1 from 12:00
- **6** from 3:00
- 2 from 3:00
- 6 from 9:00
- 3 from 9:00 4 from 6:00
- 7 from 6:00

8 from 12:00

- 10 N to S
- 1 S to W
- 12 E to W

Are these compass movements half turns or right angles?

- 9 W to N
  - 13 N to E
  - 14 W to E
    - 1 E to S
    - 16 S to N



In which direction would you be facing?

Make a 1/4 turn:

Make a  $\frac{3}{4}$  turn:

- 1 right from E
- 7 left from N
- 2 left from N
- 8 right from E
- 3 right from S
- 9 left from S
- 4 left from W
- 10 right from N
- 5 right from N
- 11 left from W
- 6 left from S
- 12 right from W

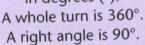
Find the new time. The hour hand turns:

- 13 a half turn from 10 o'clock
- 14 a whole turn from 2 o'clock
- 15 a 3 quarters turn from 8 o'clock
- 16 a quarter turn from 11 o'clock
- 17 a half turn from 1 o'clock
- 18 a 3 quarters turn from 4 o'clock.

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Angles are measured in degrees (°).



90°

Find the new time. The hour hand turns:

- 1 180° from 5
- 5 90° from 2 6 30° from 2
- 2 270° from 11 3 360° from 7
- 7 90° from 7
- 4 180° from 8
- 8 60° from 7

How many degrees is the clockwise turn from:

- 9 W to N
- 13 SW to NE
- 10 E to W
- 14 SE to S
- 1 S to E
- 13 W to NW
- 12 N to E
- 16 NE to NW

