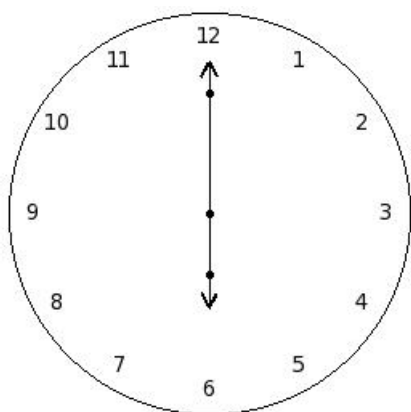# EduSahara™ Learning Center Assignment
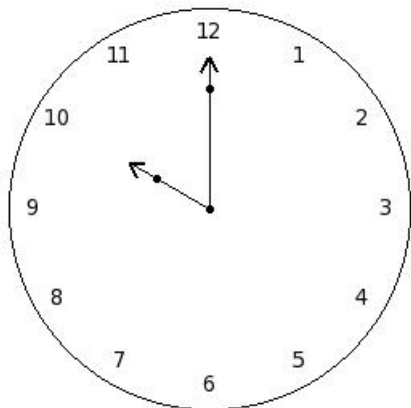
Grade : Class VI, CBSE
Chapter : Understanding Elementary Shapes
Name : Angle Value Problems
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1. State the angle between the two hands of the clock when the time is 6 A.M.

    (i) 210° (ii) 195° (iii) 190° (iv) 180° (v) 185°

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2. State the type of angle between the two hands of the clock when the time is 10 A.M.

    (i) acute angle (ii) obtuse angle (iii) complete angle

    (iv) reflex angle (v) zero angle

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3. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 11 to 8 ?

    (i) $\frac{3}{4}$ (ii) $\frac{5}{4}$ (iii) $\frac{1}{4}$ (iv) $\frac{3}{2}$ (v) $\frac{1}{2}$

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4. Find the number of right angles covered by the hour hand of clock

when it goes from 9 to 12

(i) 2 (ii) 0 (iii) (–2) (iv) 1 (v) 3

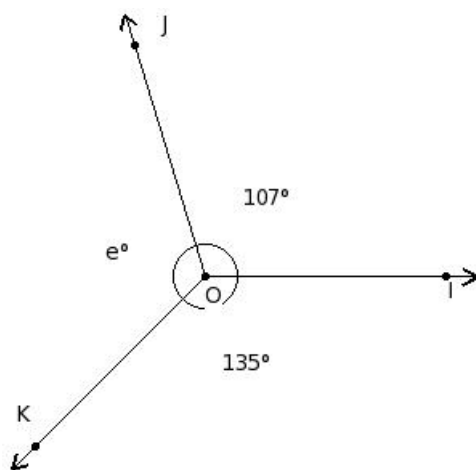
5. Where will the hour hand of a clock stop, if it starts from 11 and makes $\frac{2}{3}$ of a revolution clockwise?

(i) 7 (ii) 9 (iii) 8 (iv) 6 (v) 5

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6. Where will the hour hand of a clock stop, if it starts from 9 and turns through 4 right angles?
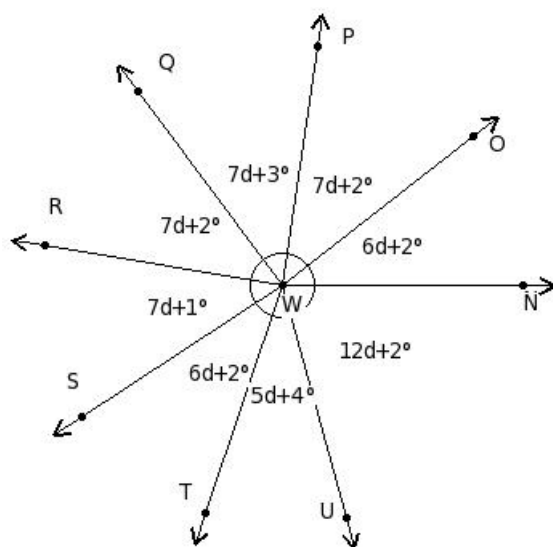
(i) 11 (ii) 9 (iii) 8 (iv) 10 (v) 7

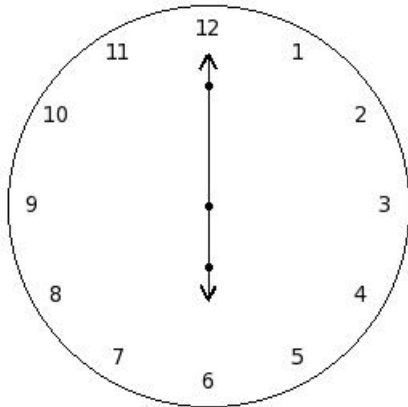7. Find the value of 'e' in the following figure

(i) 118° (ii) 128° (iii) 133° (iv) 148° (v) 123°

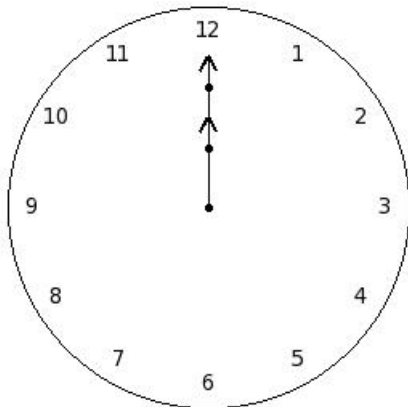8. Find the value of 'd' in the following figure

(i) 4 (ii) 5 (iii) 9 (iv) 6 (v) 7

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9. State the angle between the two hands of the clock when the time is 6 A.M.

(i) 180° (ii) 185° (iii) 210° (iv) 195° (v) 190°

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10. State the type of angle between the two hands of the clock when the time is 12 A.M.

(i) straight angle (ii) obtuse angle (iii) reflex angle

(iv) acute angle   (v) zero angle

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11. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 2 to 1 ?

(i) $\frac{11}{14}$ (ii) $\frac{11}{12}$ (iii) $\frac{3}{4}$ (iv) $\frac{13}{12}$ (v) $\frac{11}{10}$

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12. Find the number of right angles covered by the hour hand of clock when it goes from 11 to 5

(i) 5 (ii) (−1) (iii) 1 (iv) 2 (v) 3

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13. Where will the hour hand of a clock stop, if it starts from 11 and makes
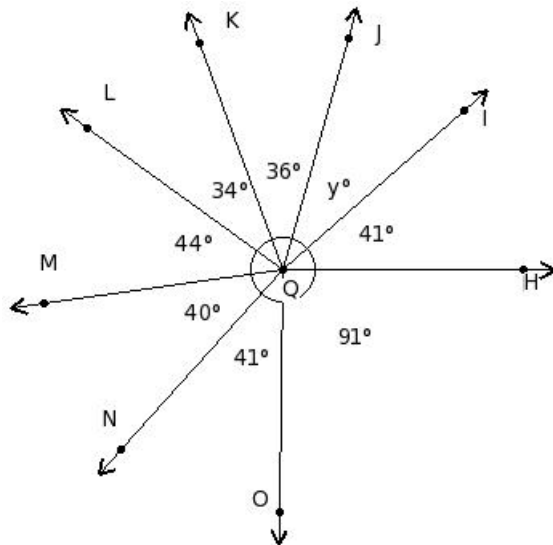
$\frac{1}{12}$ of a revolution clockwise?

(i) 11 (ii) 10 (iii) 14 (iv) 12 (v) 13

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14. Where will the hour hand of a clock stop, if it starts from 2 and turns through 3 right angles?
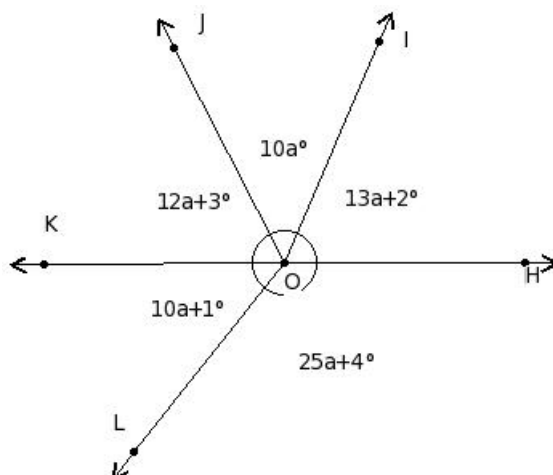
(i) 13 (ii) 11 (iii) 12 (iv) 9 (v) 10

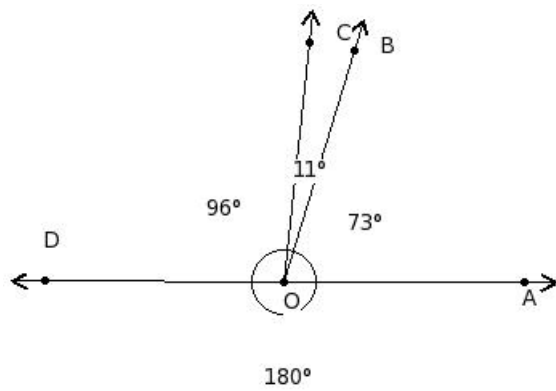
15. Find the value of 'y' in the following figure

(i) 63° (ii) 48° (iii) 33° (iv) 43° (v) 38°

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16. Find the value of 'a' in the following figure
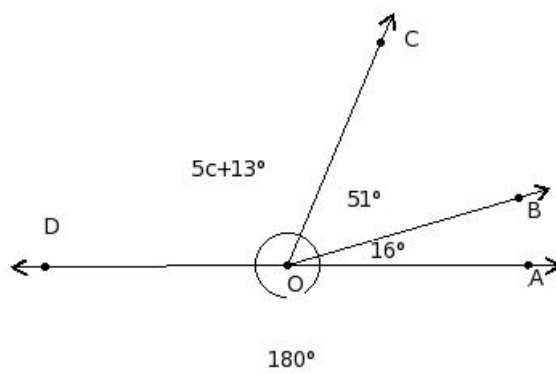

(i) 2 (ii) 4 (iii) 6 (iv) 8 (v) 5

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17. Find the value of g in the figure below

(i) 13 (ii) 15 (iii) 14 (iv) 17 (v) 12

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18. Find the value of c in the figure below

(i) 17 (ii) 23 (iii) 19 (iv) 20 (v) 21

Assignment Key

1) (iv)
2) (i)
3) (i)
4) (iv)
5) (i)
6) (ii)
7) (i)
8) (iv)
9) (i)
10) (v)
11) (ii)
12) (iv)
13) (iv)
14) (ii)
15) (iii)
16) (v)
17) (iii)
18) (iv)