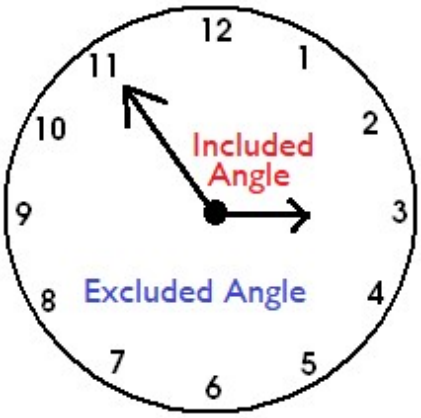
# Clock Angles




**Each Question has four parts:**

a. Write the angle included between the hands of each clock.

There are 360 degrees in a circle. Each hour long division of the clock represents 1/12 of 360°, so 360° ÷ 12 = 30°. Here there are 4 divisions so 4 x 30° = 120°

b. Write this angle as a common fraction.

4 out of 12 divisions are included, giving you 4/12. Divide numerator (top) and the denominator (bottom) by 4 to simplify this to 1/3.

c. Write the angle excluded by the hands of the clock.

Here 8 divisions are excluded so 8 x 30° = 240°

d. Write this angle as a common fraction.

8 out of 12 divisions are excluded, giving you 8/12. Divide numerator (top) and the denominator (bottom) by 4 to simplify this to 2/3.

**Check that you have written each fraction in its simplest form.**

| Q. | A | B | C | D |
|---|---|---|---|---|
| Example | 120° | $\frac{1}{3}$ | 240° | $\frac{2}{3}$ |

# Answer Sheet

| Q. | A | B | C | D |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
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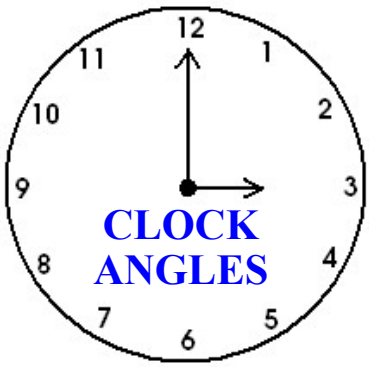
1

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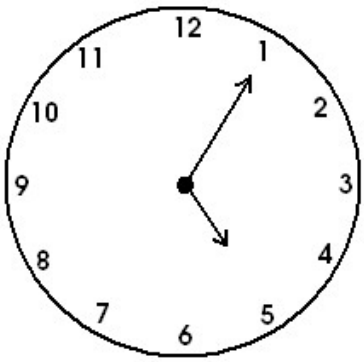

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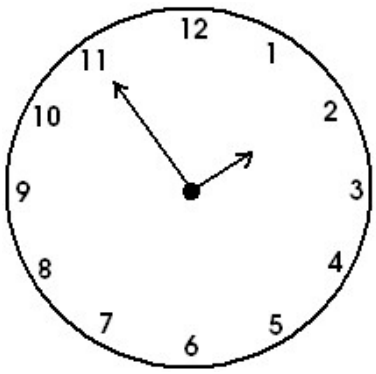

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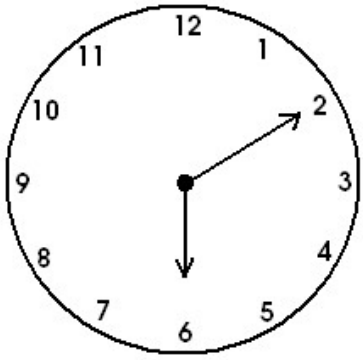

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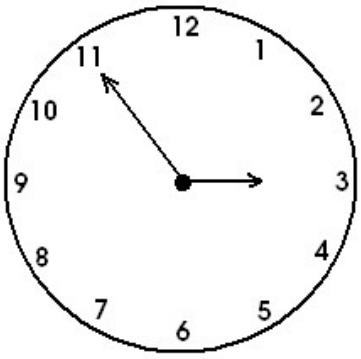

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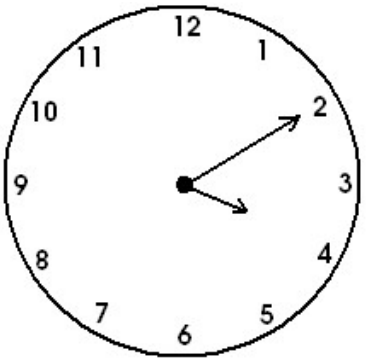

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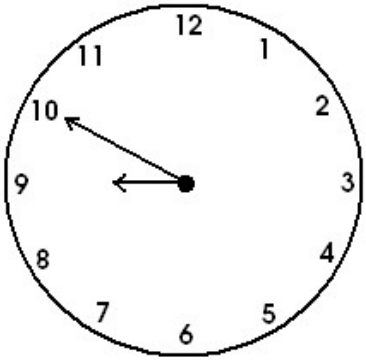

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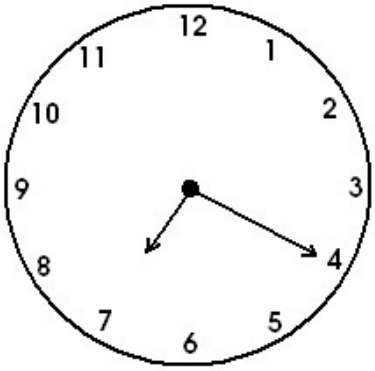

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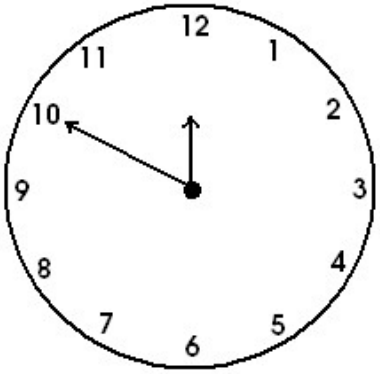

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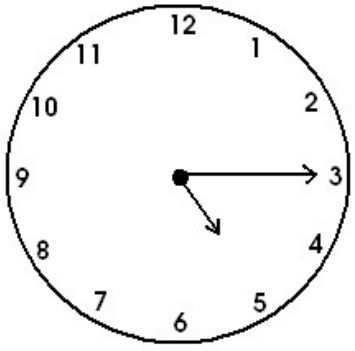

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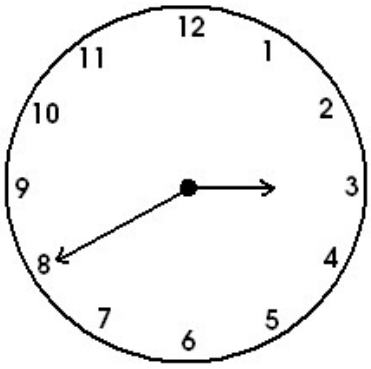

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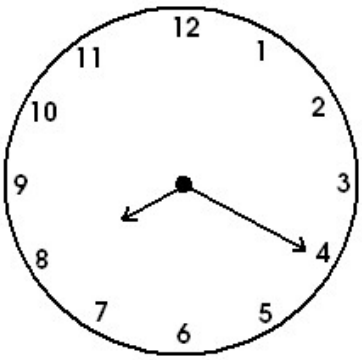

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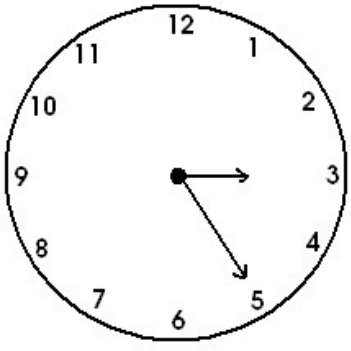

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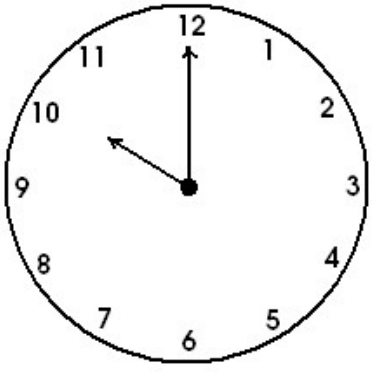

**Each Question has four parts:**

a. Write the angle included between the hands of each clock.
b. Write this angle as a common fraction.
c. Write the angle excluded by the hands of the clock.
d. Write this angle as a common fraction.

Check that you have written each fraction in its simplest form.