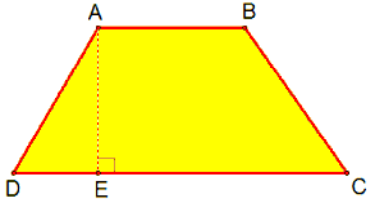


## HW - Area of a Trapezoid

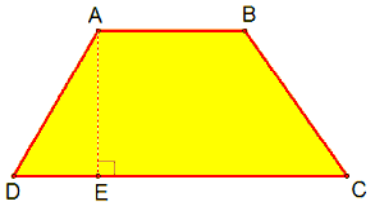
Find the area. Round to the nearest hundredth if necessary.

1



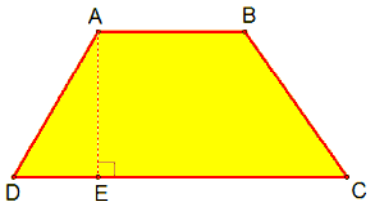
$$\begin{aligned}\overline{AB} &= 6 \text{ cm} \\ \overline{BC} &= 10 \text{ cm} \\ \overline{CD} &= 15 \text{ cm} \\ \overline{AD} &= 7 \text{ cm} \\ \overline{AE} &= 4 \text{ cm}\end{aligned}$$

2



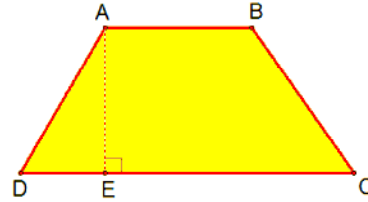
$$\begin{aligned}\overline{AB} &= 8 \text{ cm} \\ \overline{BC} &= 11 \text{ cm} \\ \overline{CD} &= 15 \text{ cm} \\ \overline{AD} &= 9 \text{ cm} \\ \overline{AE} &= 7 \text{ cm}\end{aligned}$$

3



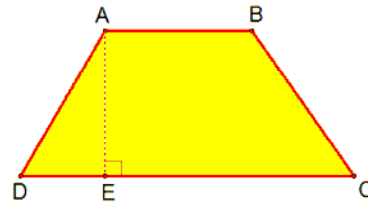
$$\begin{aligned}\overline{AB} &= 5 \text{ cm} \\ \overline{BC} &= 9 \text{ cm} \\ \overline{CD} &= 14 \text{ cm} \\ \overline{AD} &= 6 \text{ cm} \\ \overline{AE} &= 4 \text{ cm}\end{aligned}$$

4



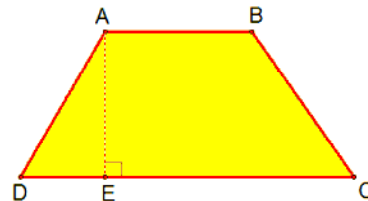
$$\begin{aligned}\overline{AB} &= 12 \text{ cm} \\ \overline{BC} &= 16 \text{ cm} \\ \overline{CD} &= 30 \text{ cm} \\ \overline{AD} &= 14 \text{ cm} \\ \overline{AE} &= 10 \text{ cm}\end{aligned}$$

5



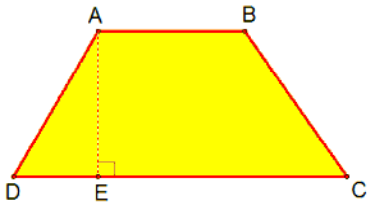
$$\begin{aligned}\overline{AB} &= 14 \text{ cm} \\ \overline{BC} &= 27 \text{ cm} \\ \overline{CD} &= 28 \text{ cm} \\ \overline{AD} &= 15 \text{ cm} \\ \overline{AE} &= 11 \text{ cm}\end{aligned}$$

6



$$\begin{aligned}\overline{AB} &= 18 \text{ cm} \\ \overline{BC} &= 22 \text{ cm} \\ \overline{CD} &= 30 \text{ cm} \\ \overline{AD} &= 20 \text{ cm} \\ \overline{AE} &= 14 \text{ cm}\end{aligned}$$

7



$$\overline{AB} = 16.6 \text{ cm}$$

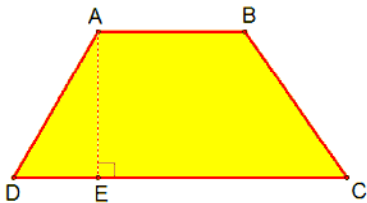
$$\overline{BC} = 19.6 \text{ cm}$$

$$\overline{CD} = 29.7 \text{ cm}$$

$$\overline{AD} = 17.7 \text{ cm}$$

$$\overline{AE} = 11.4 \text{ cm}$$

8



$$\overline{AB} = 12.6 \text{ cm}$$

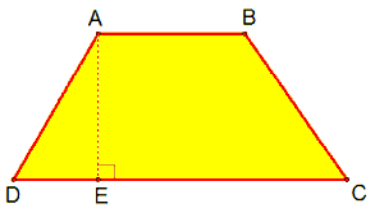
$$\overline{BC} = 21.7 \text{ cm}$$

$$\overline{CD} = 22.3 \text{ cm}$$

$$\overline{AD} = 12.7 \text{ cm}$$

$$\overline{AE} = 11.2 \text{ cm}$$

9



$$\overline{AB} = 16.2 \text{ cm}$$

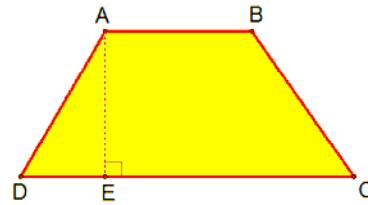
$$\overline{BC} = 25.8 \text{ cm}$$

$$\overline{CD} = 26.4 \text{ cm}$$

$$\overline{AD} = 17.8 \text{ cm}$$

$$\overline{AE} = 15.8 \text{ cm}$$

10



$$\overline{AB} = 20.1 \text{ cm}$$

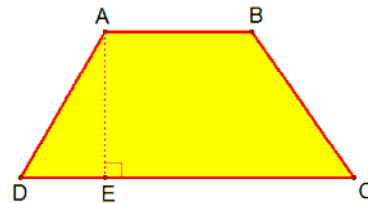
$$\overline{BC} = 28.9 \text{ cm}$$

$$\overline{CD} = 29.9 \text{ cm}$$

$$\overline{AD} = 25.8 \text{ cm}$$

$$\overline{AE} = 10.1 \text{ cm}$$

11



$$\overline{AB} = 13.8 \text{ cm}$$

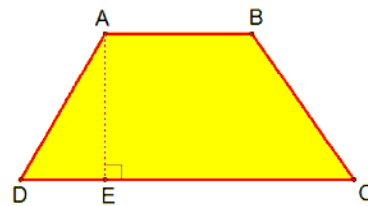
$$\overline{BC} = 23.7 \text{ cm}$$

$$\overline{CD} = 28.4 \text{ cm}$$

$$\overline{AD} = 23.1 \text{ cm}$$

$$\overline{AE} = 13.3 \text{ cm}$$

12



$$\overline{AB} = 17.8 \text{ cm}$$

$$\overline{BC} = 26.3 \text{ cm}$$

$$\overline{CD} = 26.8 \text{ cm}$$

$$\overline{AD} = 22.8 \text{ cm}$$

$$\overline{AE} = 13.4 \text{ cm}$$

## HW - Area of a Trapezoid

### Answer Section

#### NUMERIC RESPONSE

- 1 42
- 2 80.5
- 3 38
- 4 210
- 5 231
- 6 336
- 7 263.91
- 8 195.44
- 9 336.54
- 10 252.5
- 11 280.63
- 12 298.82