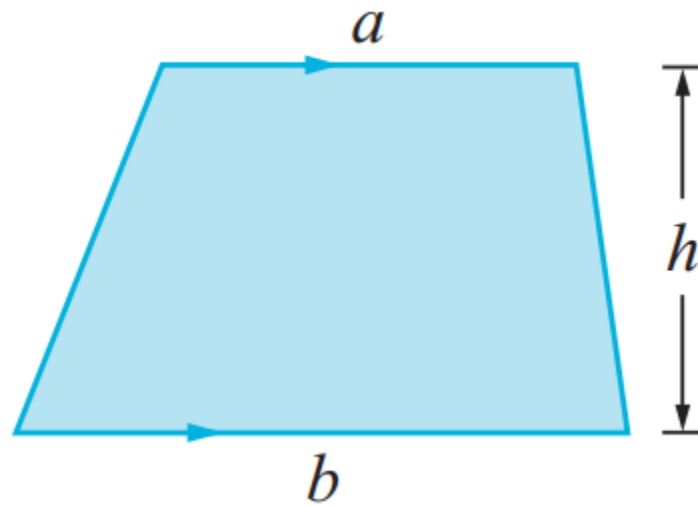


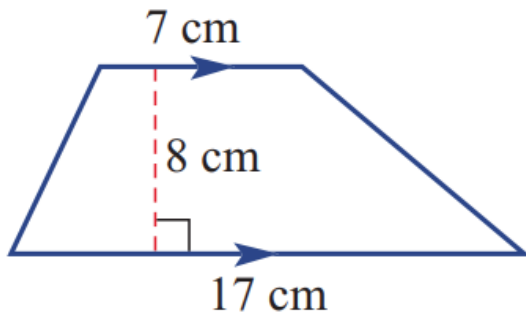
Area of Trapezium



$$A = (a + b) \times \frac{1}{2} \times h$$

Example - Find the area of each trapezium.

a.



$$A = (a + b) \times \frac{1}{2} \times h$$

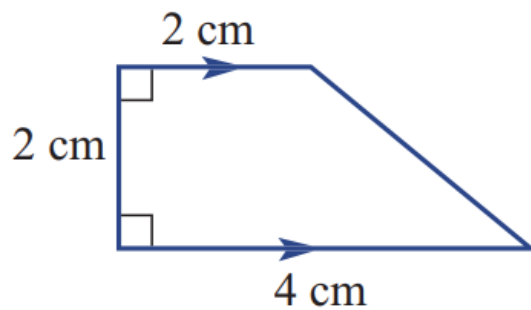
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b.



$$A = (a + b) \times \frac{1}{2} \times h$$

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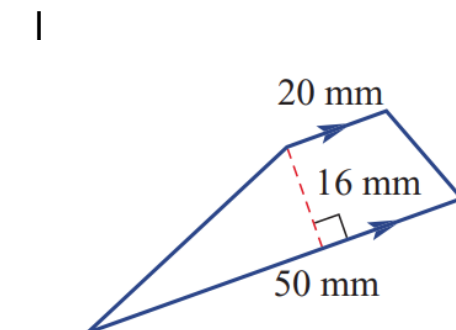
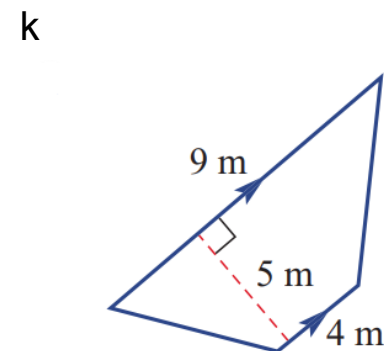
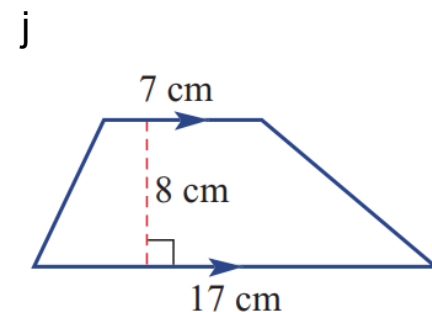
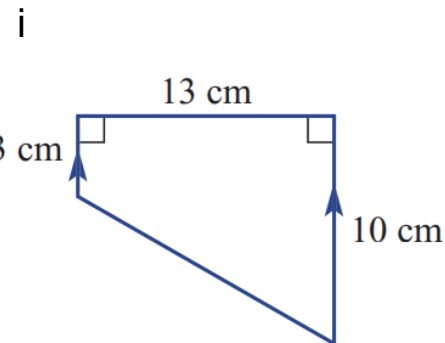
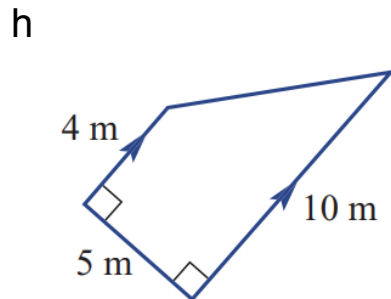
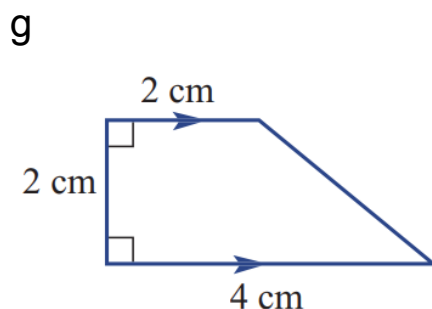
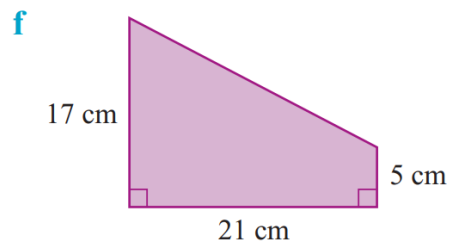
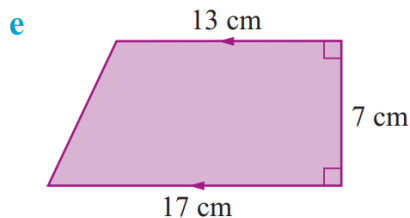
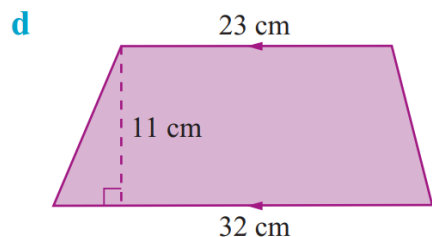
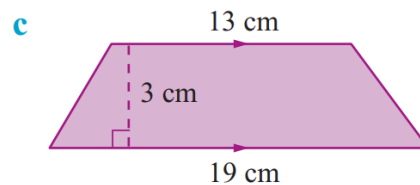
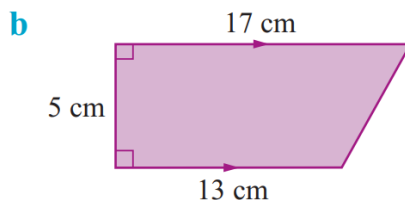
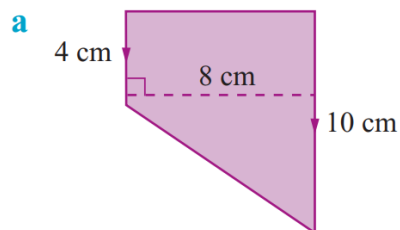
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Question

1. Find the area of each trapezium.



2. Find the area of each trapezium, given:

a height = 5 cm, $a = 14$ cm, $b = 8$ cm

c height = 7 cm, $a = 6$ cm, $b = 8$ cm

e height = 12 mm, $a = 9$ mm, $b = 18$ mm

g height = 3.2 m, $a = 6.9$ m, $b = 9$ m

i height = 4.1 cm, $a = 3.7$ cm, $b = 10.2$ cm

b height = 4 cm, $a = 5$ cm, $b = 9$ cm

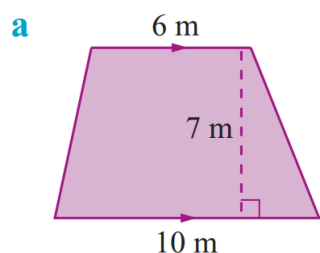
d height = 6 mm, $a = 11$ mm, $b = 15$ mm

f height = 6 cm, $a = 5.3$ cm, $b = 3.2$ cm

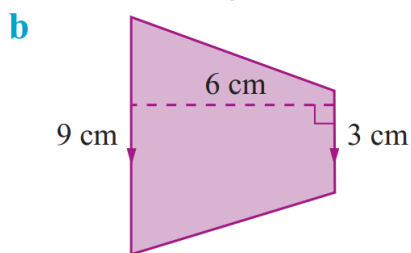
h height = 9.5 cm, $a = 4.8$ cm, $b = 15.3$ cm

j height = 2.8 m, $a = 4.5$ m, $b = 1.7$ m

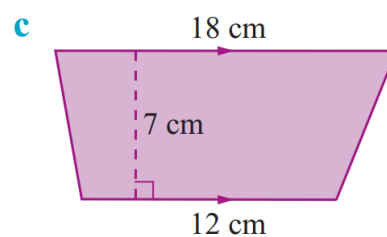
Complete to find the area of each trapezium.



$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (6 + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} m^2 \end{aligned}$$

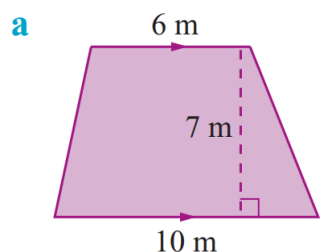


$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times 6 \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} \text{ cm}^2 \end{aligned}$$

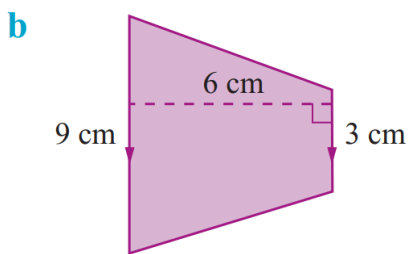


$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \end{aligned}$$

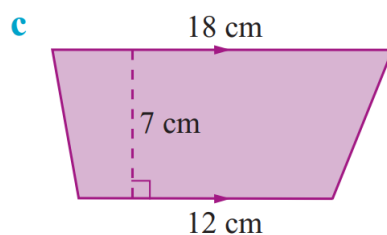
Complete to find the area of each trapezium.



$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (6 + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} m^2 \end{aligned}$$

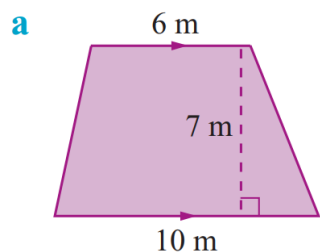


$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times 6 \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} \text{ cm}^2 \end{aligned}$$

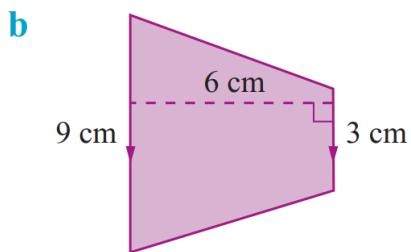


$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \end{aligned}$$

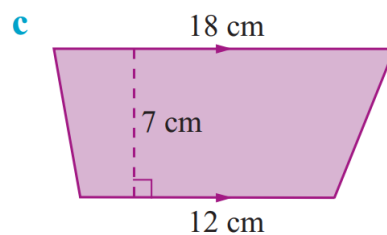
Complete to find the area of each trapezium.



$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (6 + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} m^2 \end{aligned}$$



$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times 6 \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} \text{ cm}^2 \end{aligned}$$



$$\begin{aligned} A &= (a + b) \times \frac{1}{2} \times h \\ &= (\underline{\quad} + \underline{\quad}) \times \frac{1}{2} \times \underline{\quad} \\ &= \underline{\quad} \times \underline{\quad} \times \underline{\quad} \\ &= \end{aligned}$$