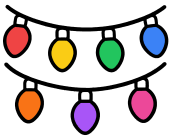
Name _____ Date _____



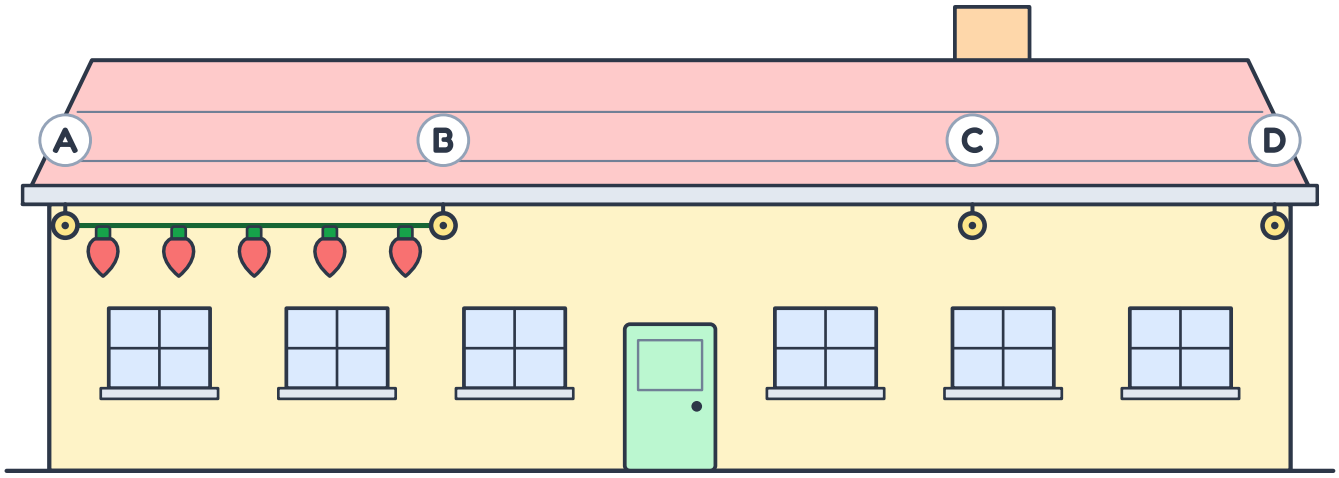
# Hang the Lights

Measure each gap. Hang the string that fits.

**Box of lights** Draw 1 bulb in the middle of every centimeter.



| 3 cm | 4 cm | 5 cm | 6 cm | 7 cm | 8 cm |
|---|---|---|---|---|---|
| blue | orange | red | purple | green | yellow |

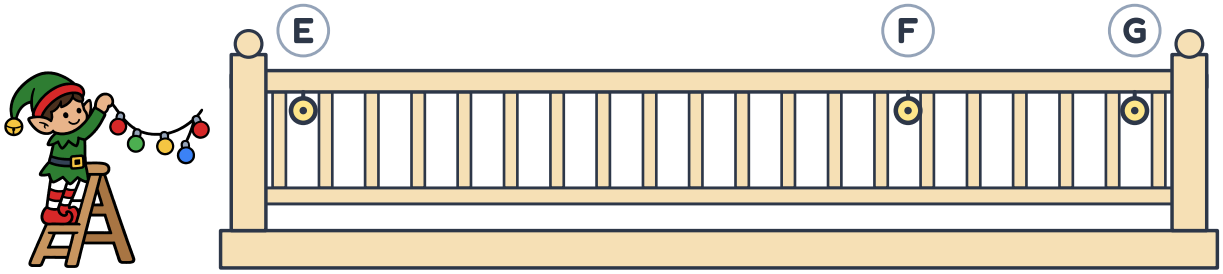



Example

**A to B** 5 cm
**String** red

**B to C** _____ cm
**String** _____

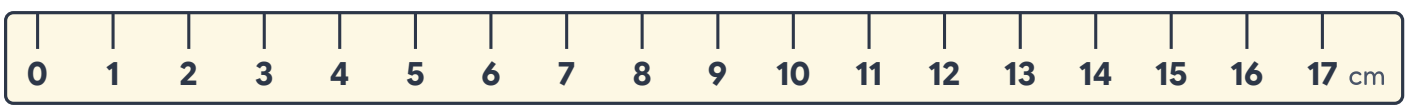
**C to D** _____ cm
**String** _____




**E to F** _____ cm
**String** _____

**F to G** _____ cm
**String** _____

**Cut out the ruler.**





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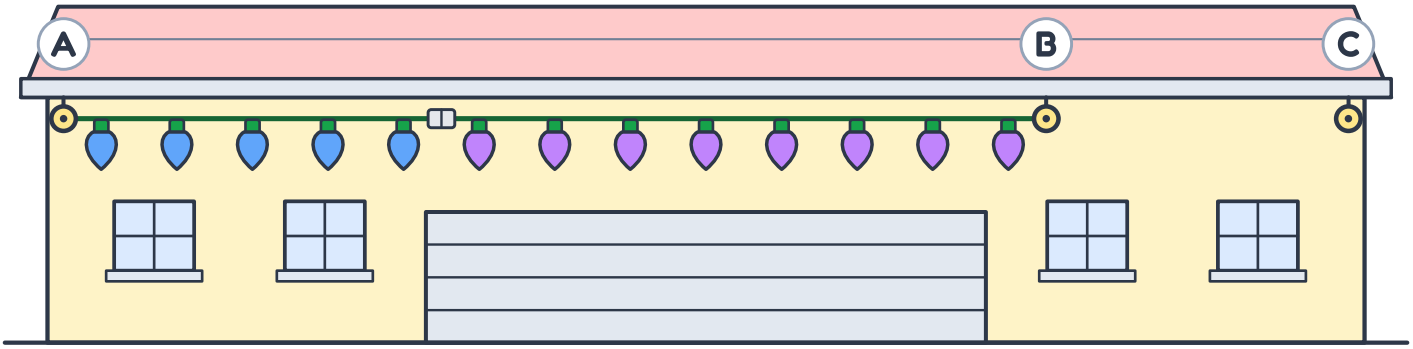
Name _____ Date _____

# Hang the Lights

Join two strings for a long gap. Use each string once.

**Box of lights** Draw 1 bulb in the middle of every centimeter.

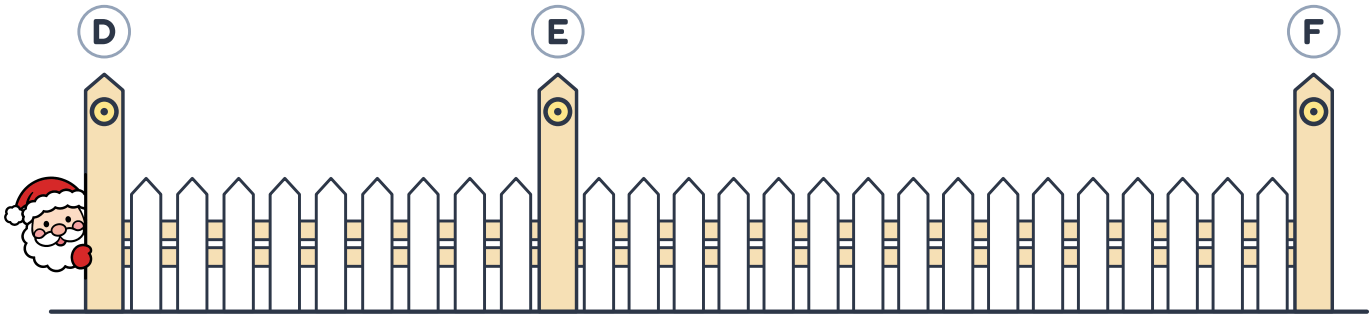
| 3 cm | 4 cm | 5 cm | 6 cm | 7 cm | 8 cm | 9 cm |
|---|---|---|---|---|---|---|
| yellow | red | blue | green | orange | purple | pink |




Example

**A to B** 13 cm
**String** blue + purple

**B to C** _____ cm
**String** _____




**D to E** _____ cm
**String** _____

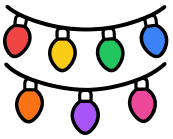
**E to F** _____ cm
**String** _____

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm


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Name _____ Date _____

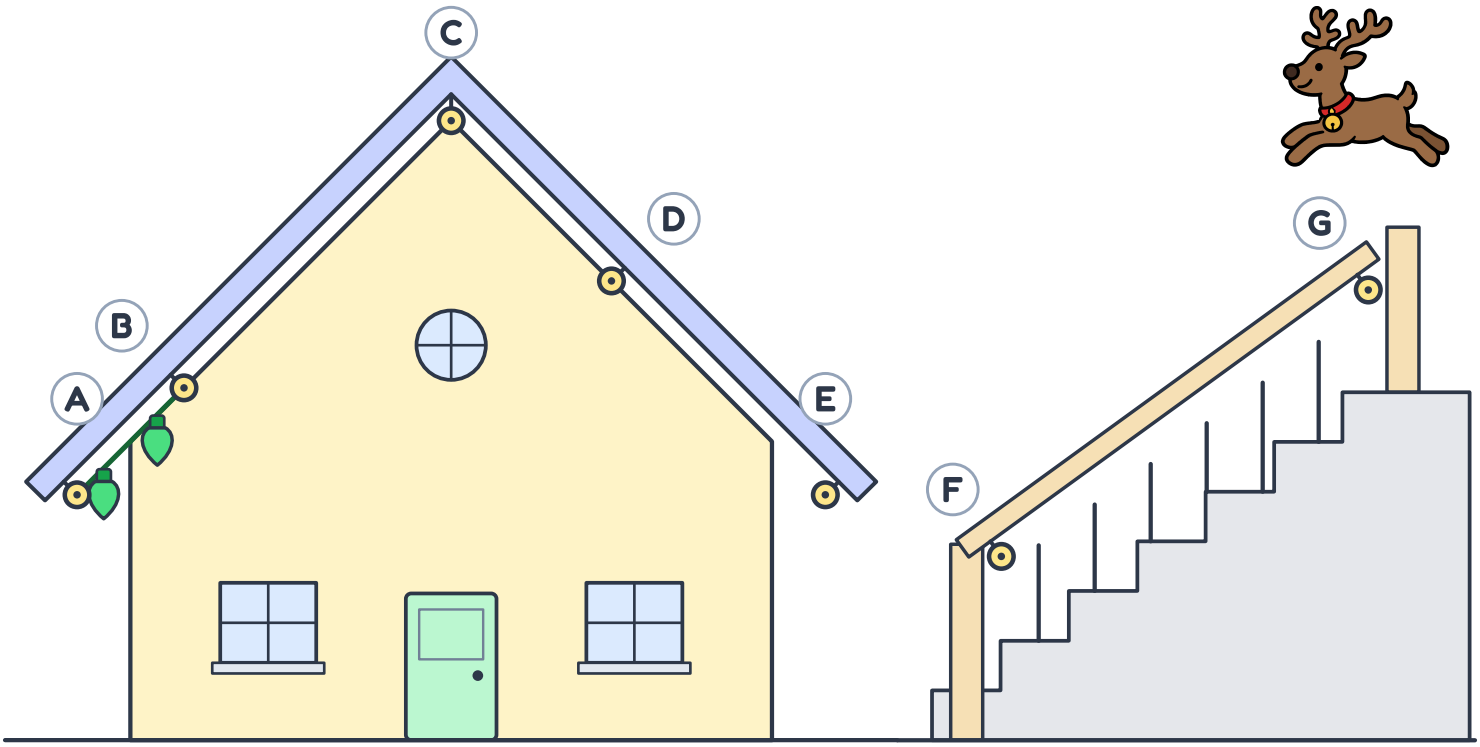


# Hang the Lights

Lay the ruler along each slanted edge.

**Box of lights** Draw 1 bulb in the middle of every centimeter.

| 2 cm | 3 cm | 4 cm | 5 cm | 6 cm | 8 cm |
|---|---|---|---|---|---|
| green | red | blue | yellow | orange | purple |




Example

**A to B** 2 cm
String green

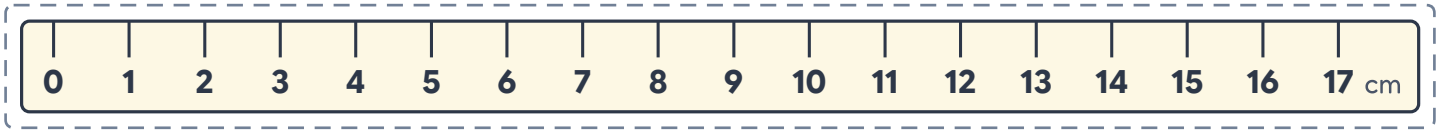
**B to C** _____ cm
String _____

**C to D** _____ cm
String _____

**D to E** _____ cm
String _____

**F to G** _____ cm
String _____

**Cut out the ruler.**





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Name _____ Date _____

# Hang the Lights

Measure in inches. Hang the string that fits.

**Box of lights** Draw 1 bulb in the middle of every inch.

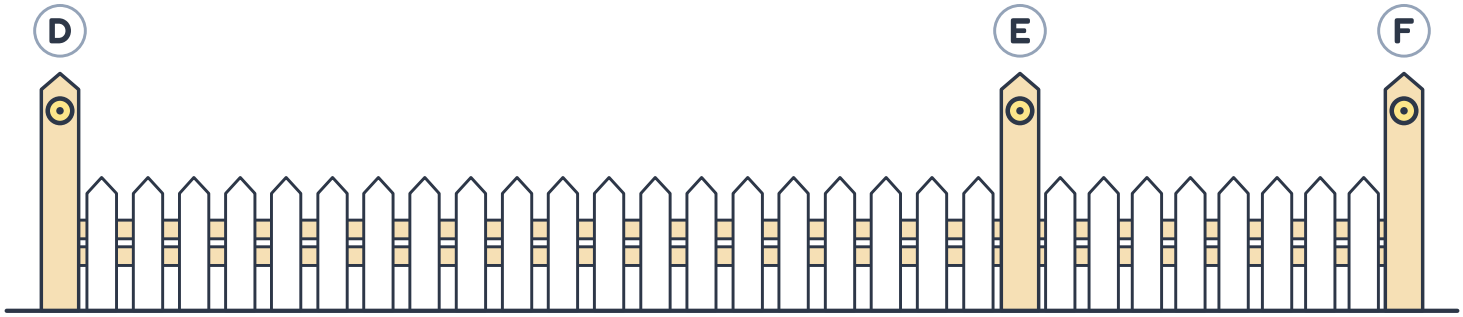
| 2 in. | 3 in. | 4 in. | 5 in. | 6 in. |
|---|---|---|---|---|
| red | green | blue | yellow | purple |




Example

A to B 3 in.
String green

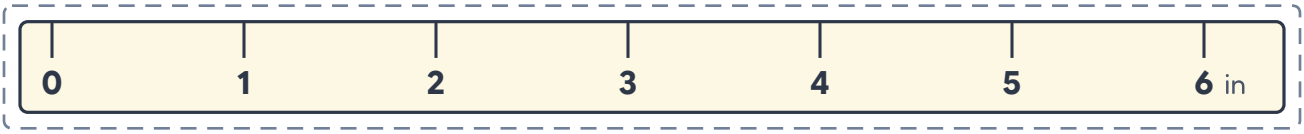
B to C _____ in.
String _____




D to E _____ in.
String _____

E to F _____ in.
String _____

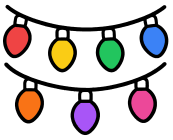
Cut out the ruler.





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Name _____ Date _____



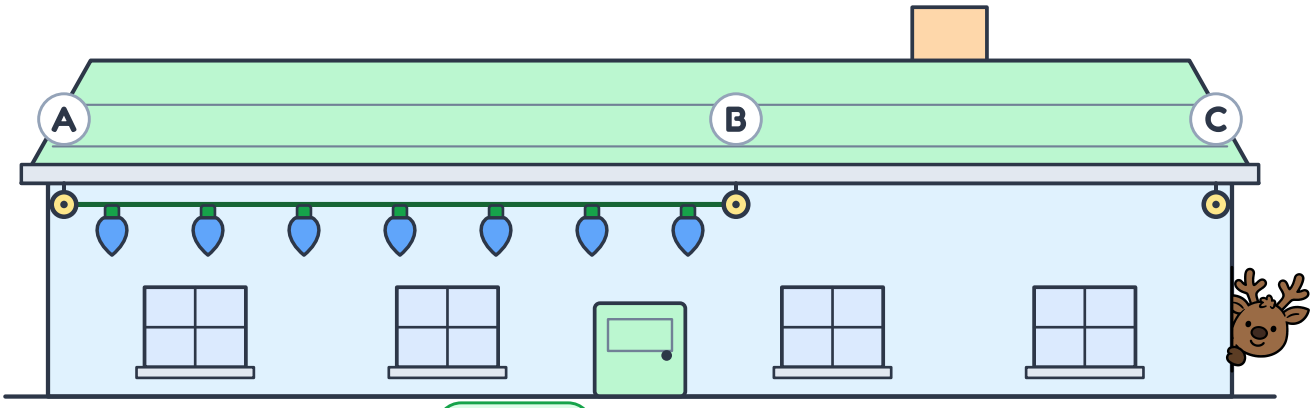
# Hang the Lights

Measure to the half inch. Then add up the lights.

**Box of lights**

Draw 1 bulb in the middle of every half inch.

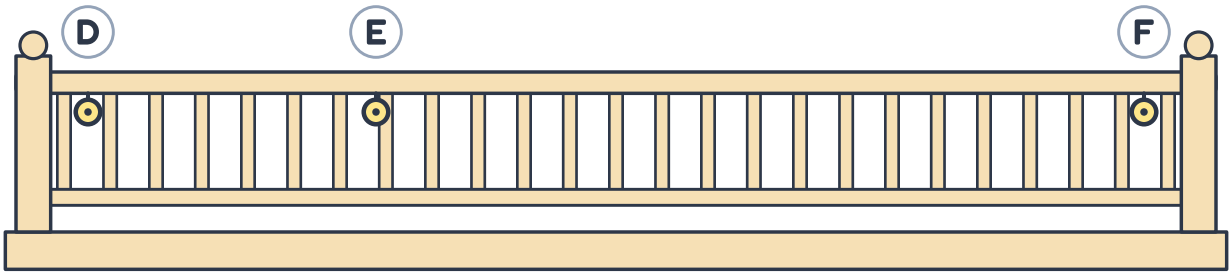
| $1\frac{1}{2}$ in. | 2 in. | $2\frac{1}{2}$ in. | $3\frac{1}{2}$ in. | 4 in. | $4\frac{1}{2}$ in. |
|---|---|---|---|---|---|
| yellow | green | red | blue | orange | purple |




Example

**A to B** $3\frac{1}{2}$ in.
**String** blue

**B to C** _____ in.
**String** _____



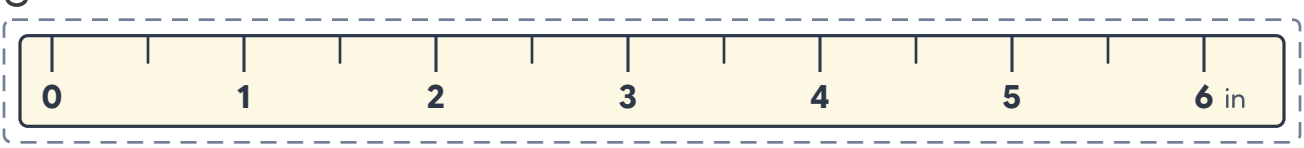

**D to E** _____ in.
**String** _____

**E to F** _____ in.
**String** _____

**Lights hung:** _____ inches

**Left in the box:** _____ inches

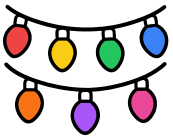
**Cut out the ruler.**





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Name _____ Date _____



# Hang the Lights

Plan the lights. Write an equation and the answer.

**Example**

The porch rail is **18** feet long. Leo hangs a **10**-foot string of lights on it. How many more feet of lights does he need?

**Equation:** 18 − 10 = 8

**Answer:** 8 feet



**1.** Mia plugs a **25**-foot string of lights into a **15**-foot string. How long are the two strings together?

**Equation:** _____

**Answer:** _____ feet



**2.** The roof edge is **32** feet long. A **25**-foot string hangs along it from one end. How many feet of the edge have no lights?

**Equation:** _____

**Answer:** _____ feet



**3.** Sam has **50** feet of lights. He hangs **18** feet on the fence and **22** feet on the porch. How many feet of lights are left?

**Equation:** _____

**Answer:** _____ feet



**4.** The elves plug **4** strings of lights together. Each one is **9** feet long. How long is the line?



**Equation:** _____

**Answer:** _____ feet



**5.** The front of a garage is **24** feet wide. Each string of lights is **6** feet long. How many strings fit end to end across it?

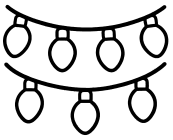
**Equation:** _____

**Answer:** _____ strings




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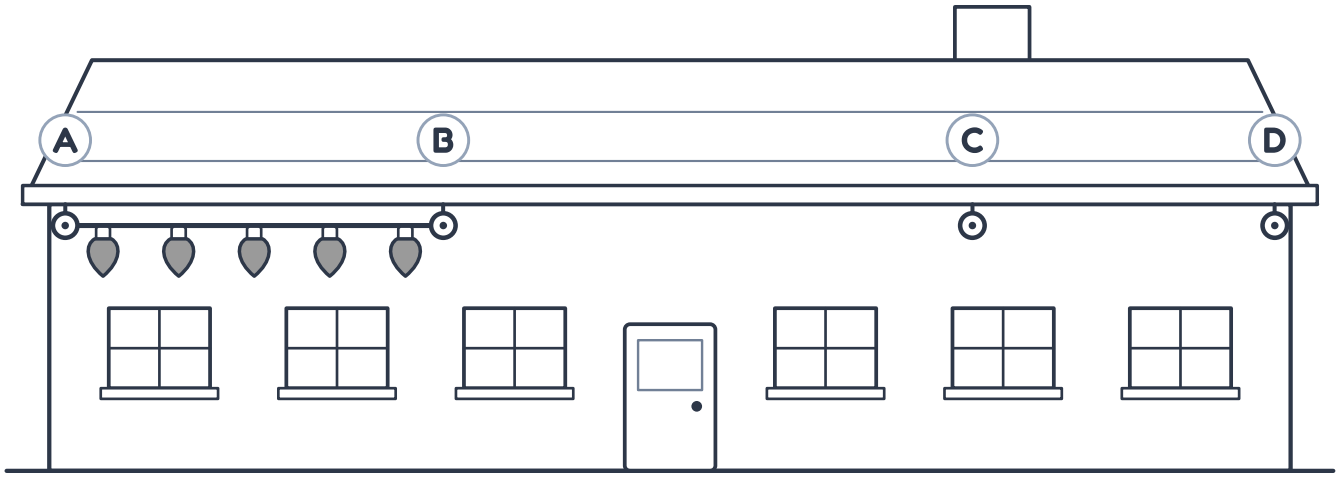


# Hang the Lights

Measure each gap. Hang the string that fits.

**Box of lights** Draw **1** bulb in the middle of every centimeter.

| **3** cm | **4** cm | **5** cm | **6** cm | **7** cm | **8** cm |
|---|---|---|---|---|---|
| blue | orange | red | purple | green | yellow |



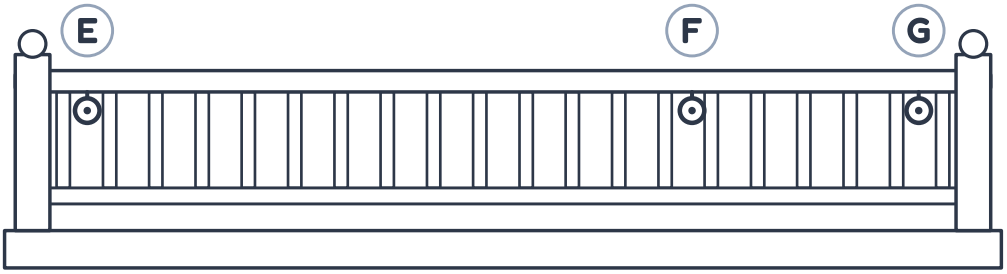

Example

**A to B** 5 cm
**String** red

**B to C** _____ cm
**String** _____

**C to D** _____ cm
**String** _____






**E to F** _____ cm
**String** _____

**F to G** _____ cm
**String** _____

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm

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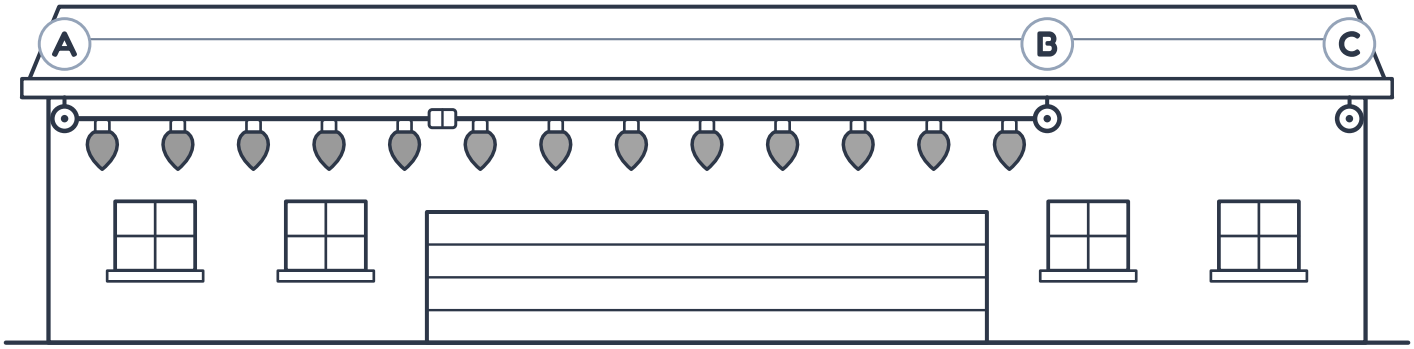
Name _____ Date _____

# Hang the Lights

Join two strings for a long gap. Use each string once.

**Box of lights** Draw **1** bulb in the middle of every centimeter.

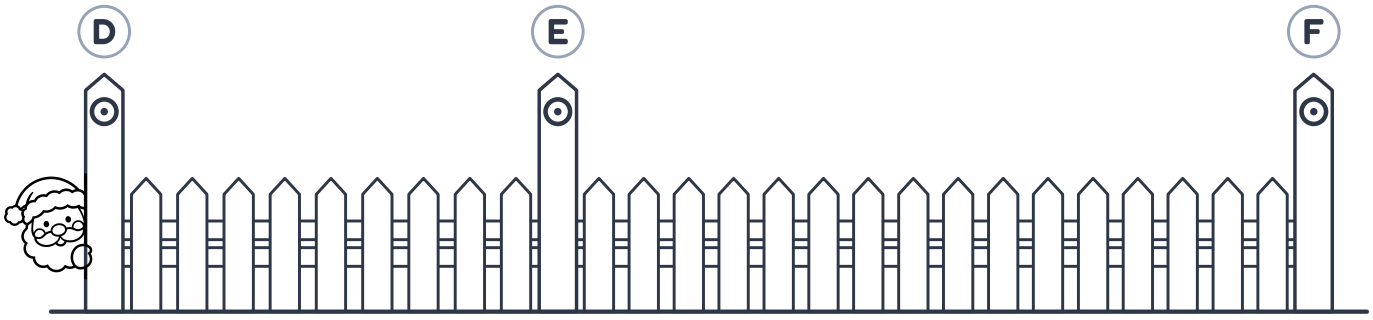
| **3** cm | **4** cm | **5** cm | **6** cm | **7** cm | **8** cm | **9** cm |
|---|---|---|---|---|---|---|
| yellow | red | blue | green | orange | purple | pink |




Example

**A to B** 13 cm
**String** blue + purple

**B to C** _____ cm
**String** _____




**D to E** _____ cm
**String** _____

**E to F** _____ cm
**String** _____

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm

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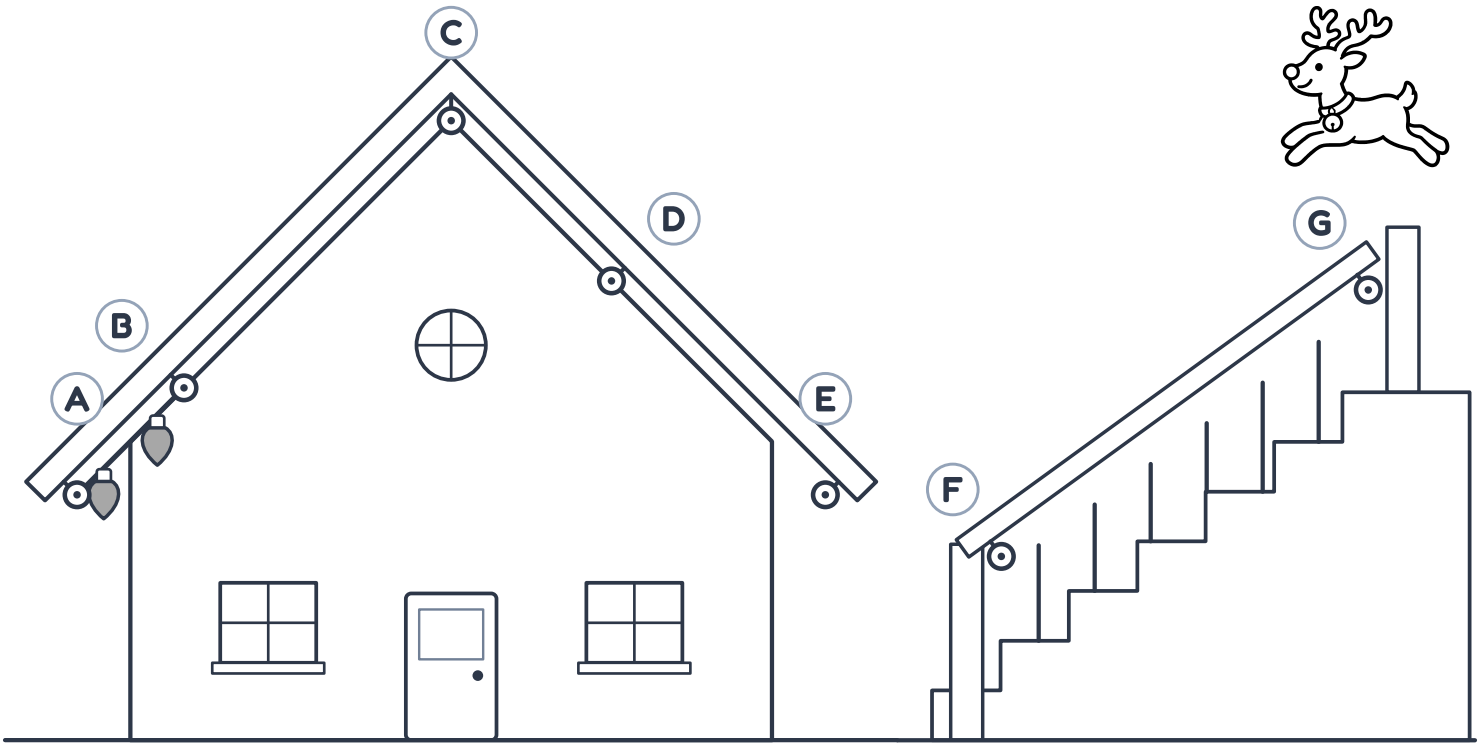
Name _____ Date _____

# Hang the Lights

Lay the ruler along each slanted edge.

**Box of lights** — Draw 1 bulb in the middle of every centimeter.

| 2 cm | 3 cm | 4 cm | 5 cm | 6 cm | 8 cm |
|---|---|---|---|---|---|
| green | red | blue | yellow | orange | purple |




Example

**A to B** 2 cm
**String** green

**B to C** _____ cm
**String** _____

**C to D** _____ cm
**String** _____

**D to E** _____ cm
**String** _____

**F to G** _____ cm
**String** _____

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm


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Name _____ Date _____

# Hang the Lights

Measure in inches. Hang the string that fits.

**Box of lights** Draw **1** bulb in the middle of every inch.

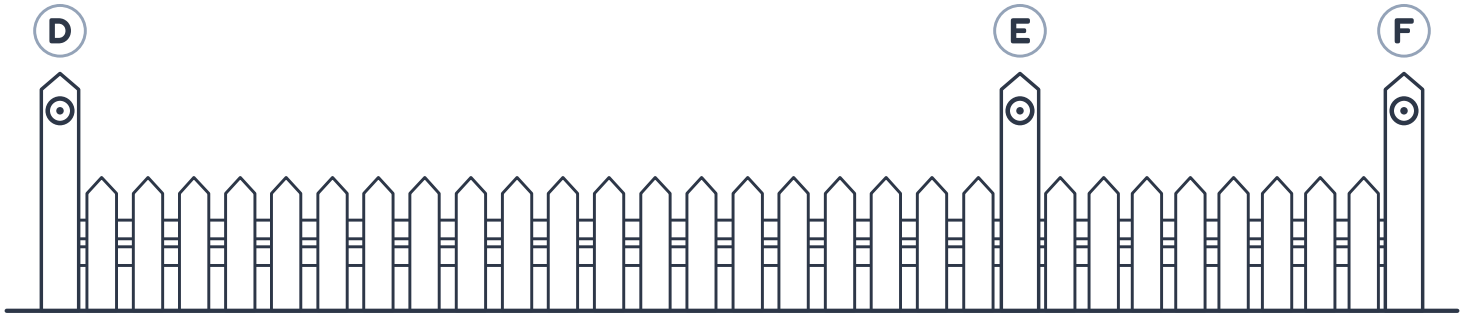
| **2** in. | **3** in. | **4** in. | **5** in. | **6** in. |
|---|---|---|---|---|
| red | green | blue | yellow | purple |




Example

**A to B** 3 in.
**String** green

**B to C** _____ in.
**String** _____




**D to E** _____ in.
**String** _____

**E to F** _____ in.
**String** _____

**Cut out the ruler.**





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Name _____ Date _____

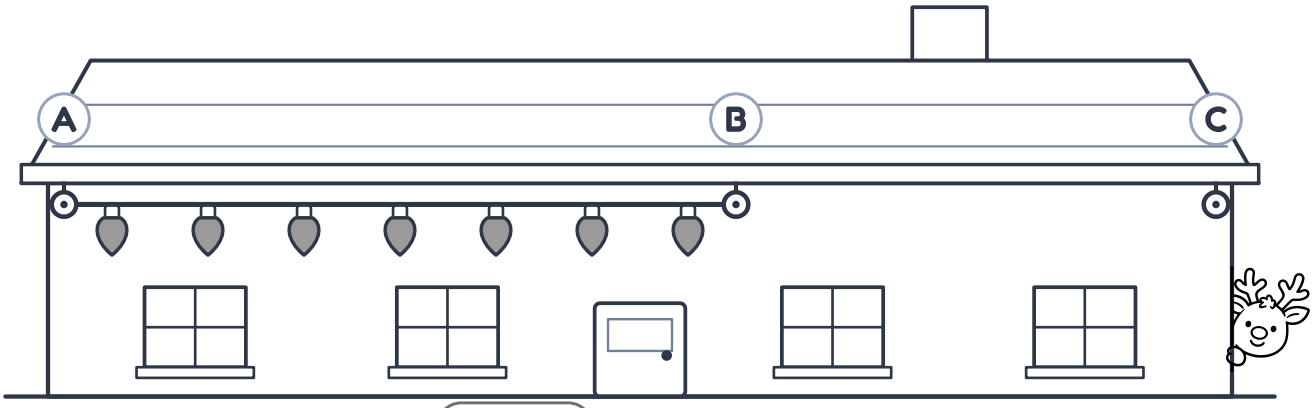
# Hang the Lights

Measure to the half inch. Then add up the lights.

**Box of lights**

Draw 1 bulb in the middle of every half inch.

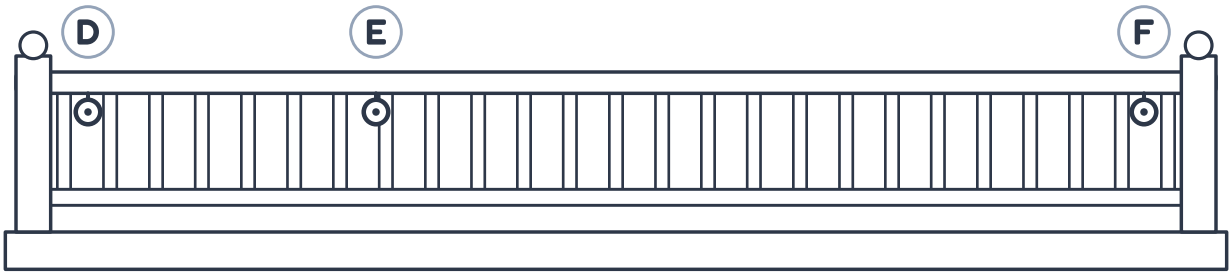
| $1\frac{1}{2}$ in. | 2 in. | $2\frac{1}{2}$ in. | $3\frac{1}{2}$ in. | 4 in. | $4\frac{1}{2}$ in. |
|---|---|---|---|---|---|
| yellow | green | red | blue | orange | purple |




Example

**A to B** $3\frac{1}{2}$ in.
**String** blue

**B to C** _____ in.
**String** _____



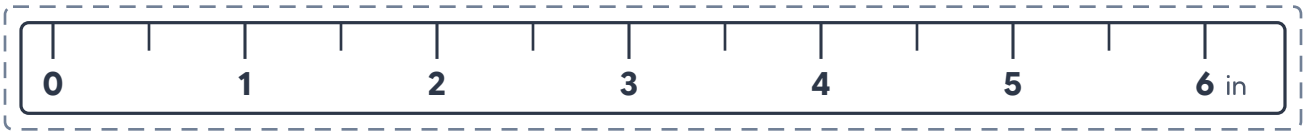

**D to E** _____ in.
**String** _____

**E to F** _____ in.
**String** _____

**Lights hung:** _____ inches

**Left in the box:** _____ inches

**Cut out the ruler.**

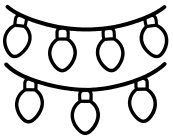



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Name _____ Date _____



# Hang the Lights

Plan the lights. Write an equation and the answer.

**Example**

The porch rail is **18** feet long. Leo hangs a **10**-foot string of lights on it. How many more feet of lights does he need?

**Equation:** 18 − 10 = 8

**Answer:** 8 feet



**1.** Mia plugs a **25**-foot string of lights into a **15**-foot string. How long are the two strings together?

**Equation:** _____

**Answer:** _____ feet



**2.** The roof edge is **32** feet long. A **25**-foot string hangs along it from one end. How many feet of the edge have no lights?

**Equation:** _____

**Answer:** _____ feet



**3.** Sam has **50** feet of lights. He hangs **18** feet on the fence and **22** feet on the porch. How many feet of lights are left?

**Equation:** _____

**Answer:** _____ feet



**4.** The elves plug **4** strings of lights together. Each one is **9** feet long. How long is the line?



**Equation:** _____

**Answer:** _____ feet



**5.** The front of a garage is **24** feet wide. Each string of lights is **6** feet long. How many strings fit end to end across it?

**Equation:** _____

**Answer:** _____ strings



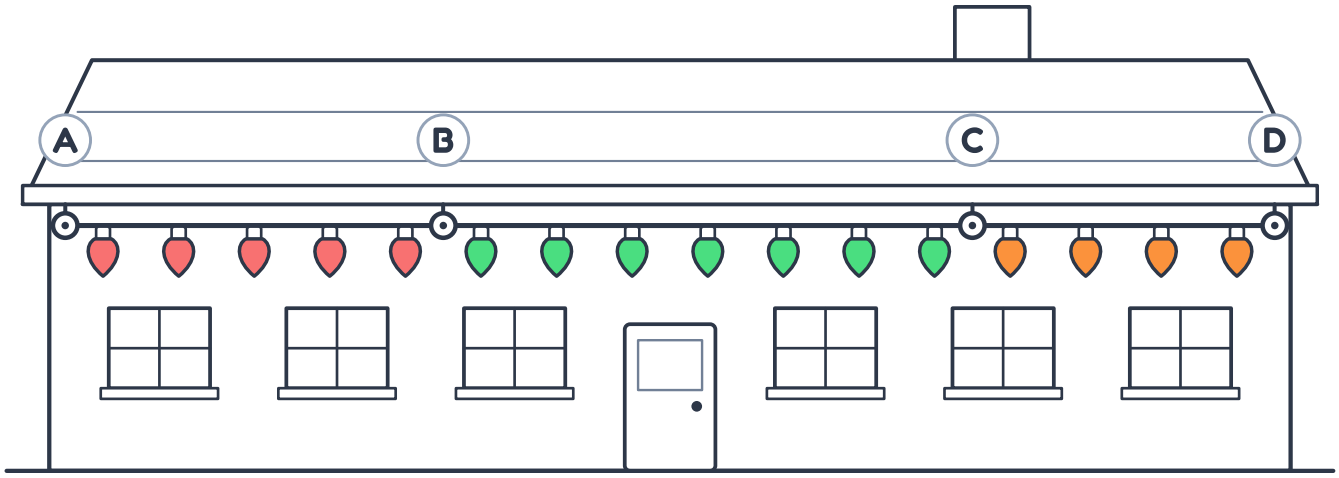

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# Hang the Lights

Measure each gap. Hang the string that fits.

**Box of lights** — Draw **1** bulb in the middle of every centimeter.

| 3 cm | 4 cm | 5 cm | 6 cm | 7 cm | 8 cm |
|---|---|---|---|---|---|
| blue | orange | red | purple | green | yellow |

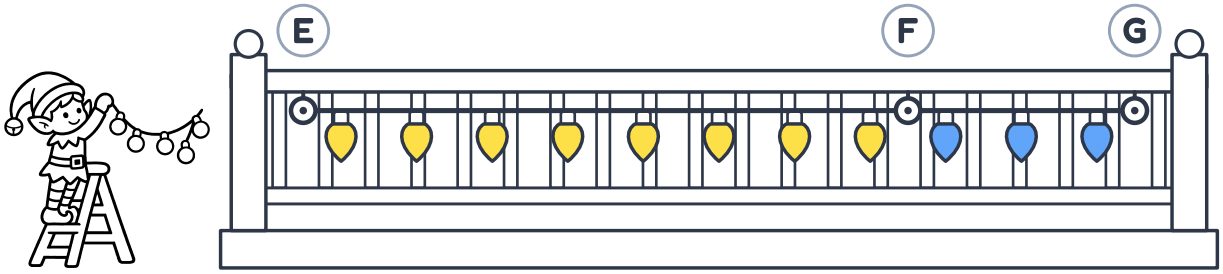



Example

**A to B** 5 cm
**String** red

**B to C** 7 cm
**String** green

**C to D** 4 cm
**String** orange




**E to F** 8 cm
**String** yellow

**F to G** 3 cm
**String** blue

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm

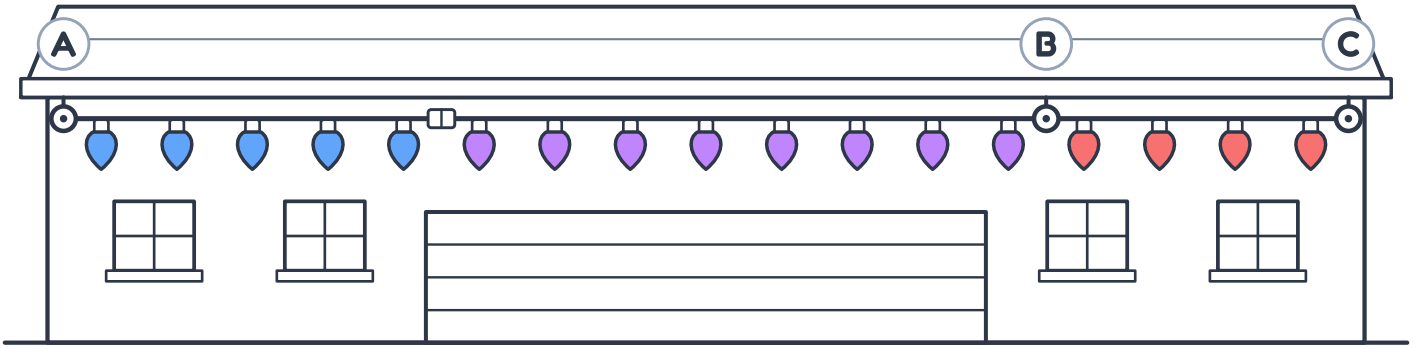

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# Hang the Lights

Join two strings for a long gap. Use each string once.

**Box of lights** — Draw 1 bulb in the middle of every centimeter.

| 3 cm | 4 cm | 5 cm | 6 cm | 7 cm | 8 cm | 9 cm |
|---|---|---|---|---|---|---|
| yellow | red | blue | green | orange | purple | pink |




Example

**A to B** 13 cm
**String** blue + purple

**B to C** 4 cm
**String** red




**D to E** 6 cm
**String** green

**E to F** 10 cm
**String** yellow + orange

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm

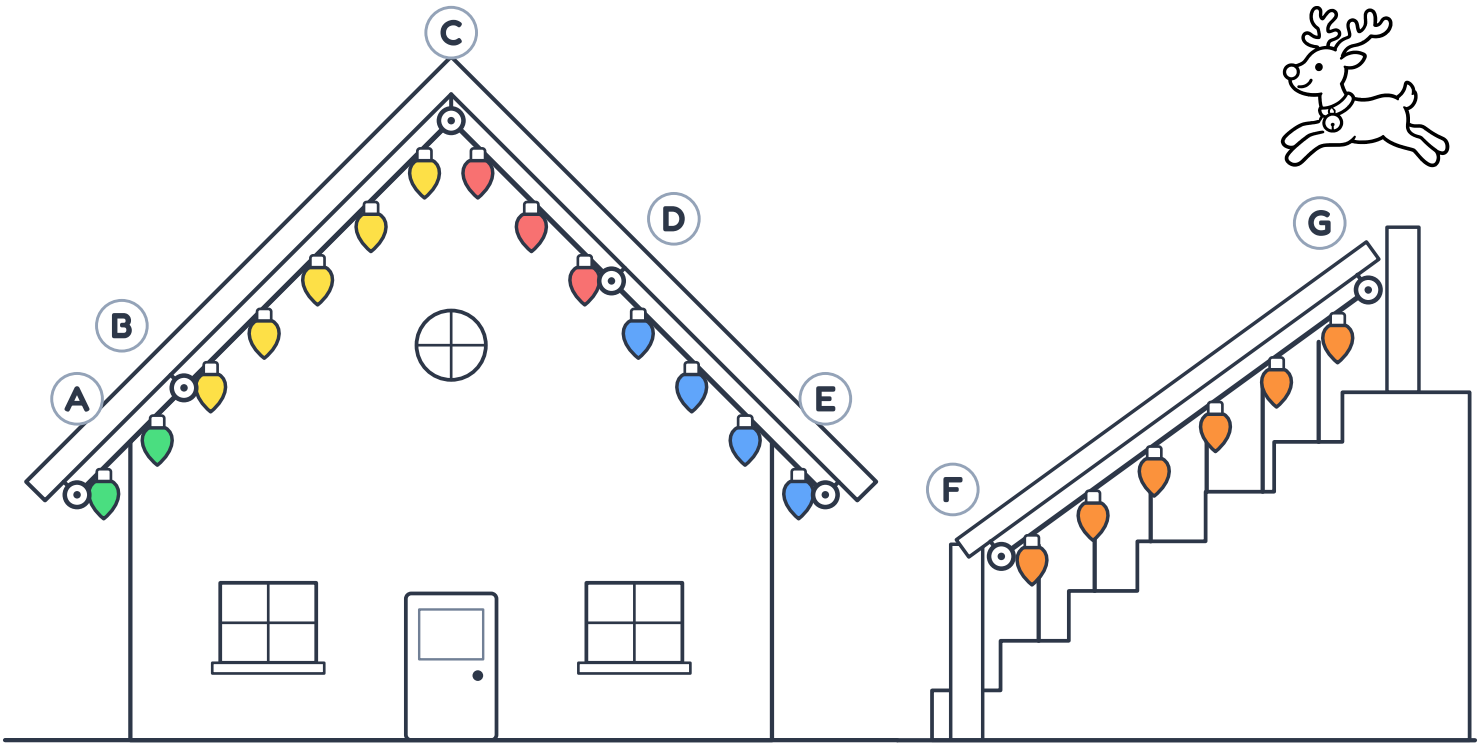

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# Hang the Lights

Lay the ruler along each slanted edge.

**Box of lights** — Draw 1 bulb in the middle of every centimeter.

| 2 cm | 3 cm | 4 cm | 5 cm | 6 cm | 8 cm |
|---|---|---|---|---|---|
| green | red | blue | yellow | orange | purple |




Example

**A to B** 2 cm
String green

**B to C** 5 cm
String yellow

**C to D** 3 cm
String red

**D to E** 4 cm
String blue

**F to G** 6 cm
String orange

**Cut out the ruler.**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 cm


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# Hang the Lights

Measure in inches. Hang the string that fits.

**Box of lights** — Draw **1** bulb in the middle of every inch.

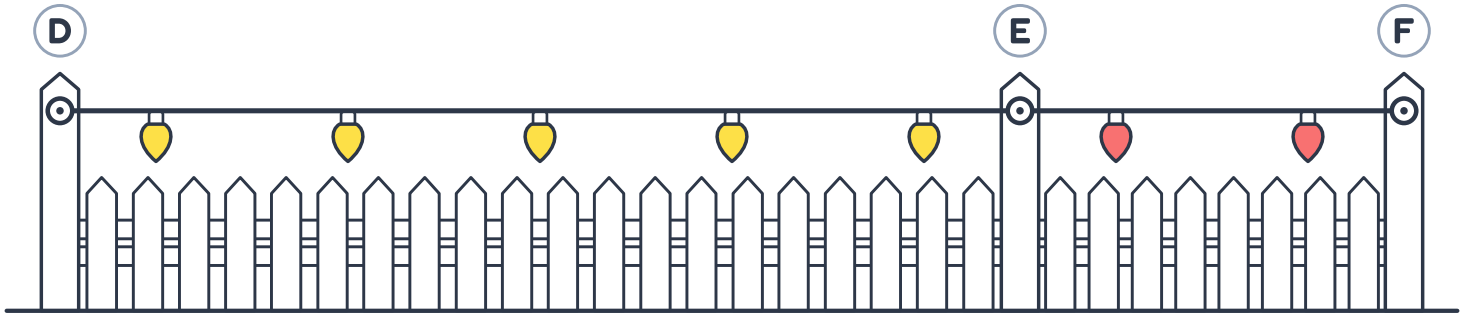
| **2** in. | **3** in. | **4** in. | **5** in. | **6** in. |
|---|---|---|---|---|
| red | green | blue | yellow | purple |




Example

**A to B** 3 in.
**String** green

**B to C** 4 in.
**String** blue




**D to E** 5 in.
**String** yellow

**E to F** 2 in.
**String** red

**Cut out the ruler.**

0 1 2 3 4 5 6 in


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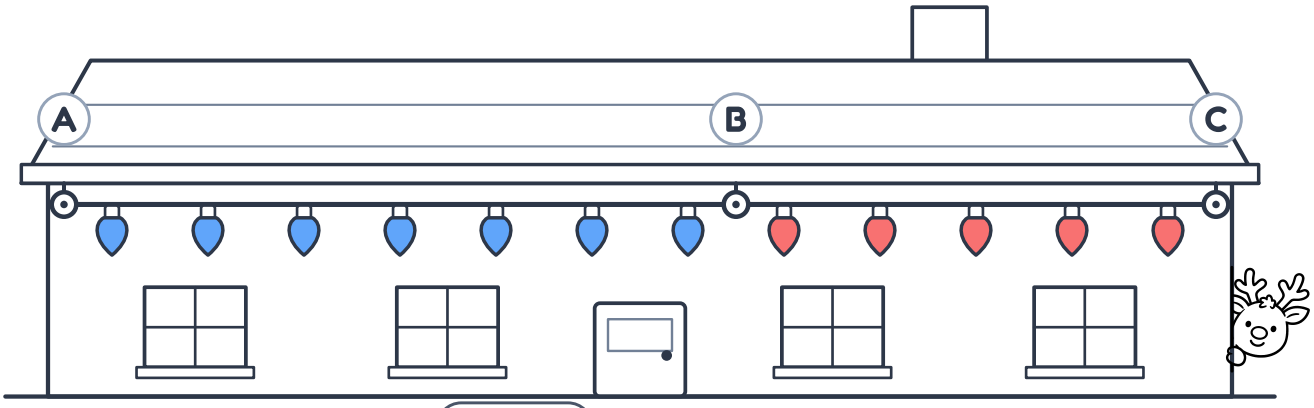
# Hang the Lights

Measure to the half inch. Then add up the lights.

**Box of lights**

Draw 1 bulb in the middle of every half inch.

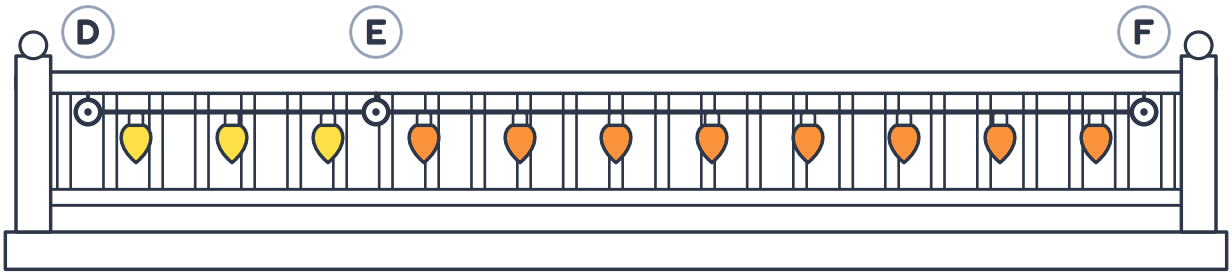
| $1\frac{1}{2}$ in. | 2 in. | $2\frac{1}{2}$ in. | $3\frac{1}{2}$ in. | 4 in. | $4\frac{1}{2}$ in. |
|---|---|---|---|---|---|
| yellow | green | red | blue | orange | purple |




Example

**A to B** $3\frac{1}{2}$ in.
**String** blue

**B to C** $2\frac{1}{2}$ in.
**String** red



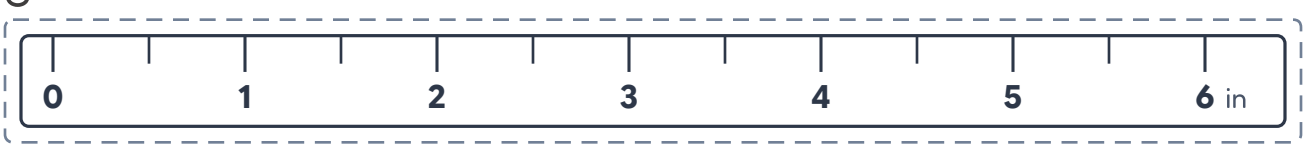

**D to E** $1\frac{1}{2}$ in.
**String** yellow

**E to F** 4 in.
**String** orange

**Lights hung:** $11\frac{1}{2}$ inches

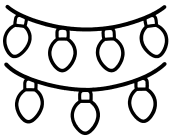
**Left in the box:** $6\frac{1}{2}$ inches

**Cut out the ruler.**






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# Hang the Lights

Plan the lights. Write an equation and the answer.

**Example**

The porch rail is **18** feet long. Leo hangs a **10**-foot string of lights on it. How many more feet of lights does he need?

**Equation:** 18 − 10 = 8

**Answer:** 8 feet



**1.** Mia plugs a **25**-foot string of lights into a **15**-foot string. How long are the two strings together?

**Equation:** 25 + 15 = 40

**Answer:** 40 feet



**2.** The roof edge is **32** feet long. A **25**-foot string hangs along it from one end. How many feet of the edge have no lights?

**Equation:** 32 − 25 = 7

**Answer:** 7 feet



**3.** Sam has **50** feet of lights. He hangs **18** feet on the fence and **22** feet on the porch. How many feet of lights are left?

**Equation:** 50 − 18 − 22 = 10

**Answer:** 10 feet



**4.** The elves plug **4** strings of lights together. Each one is **9** feet long. How long is the line?



**Equation:** 4 × 9 = 36

**Answer:** 36 feet



**5.** The front of a garage is **24** feet wide. Each string of lights is **6** feet long. How many strings fit end to end across it?

**Equation:** 24 ÷ 6 = 4

**Answer:** 4 strings




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