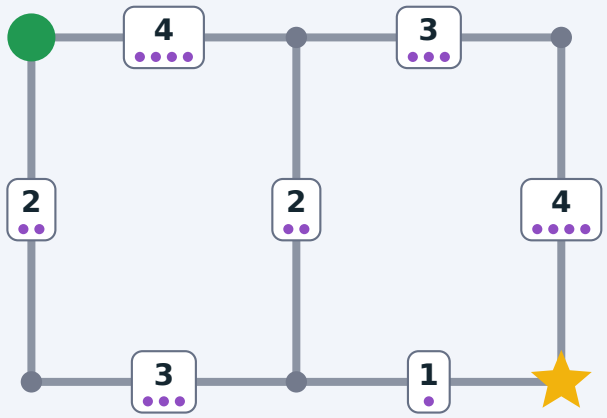
Shortest Routes

Kindergarten | 2026-11-24 | Worksheet

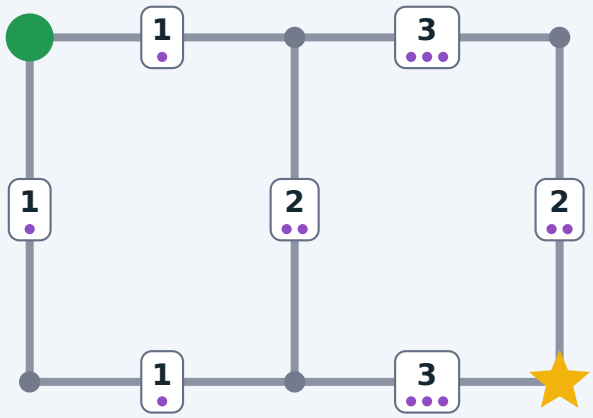
An adult can read this aloud. Start at the green circle and travel along the roads to the star. The dots and the digit on a road tell how long it is. Look for the way with the smallest total, draw it and write the total in the box.

Try each way to the star and add up the dots. Which way has the fewest dots?

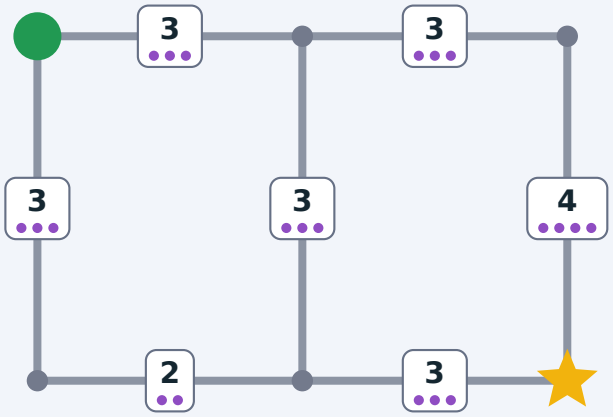
1 Total



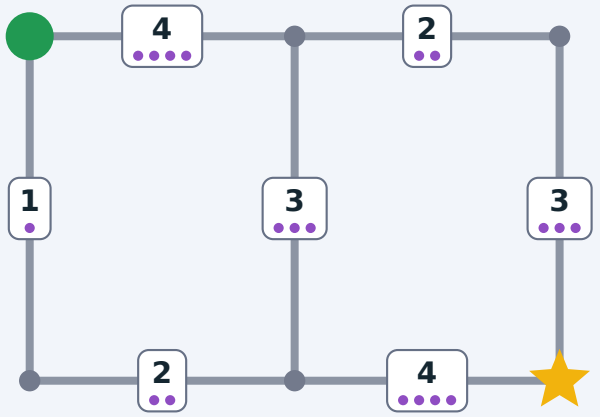
2 Total



3 Total



4 Total

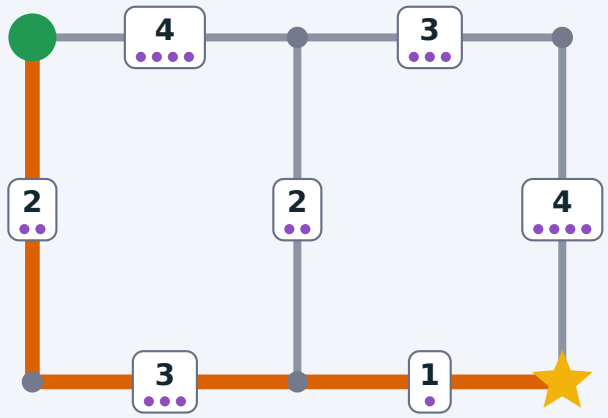


Shortest Routes

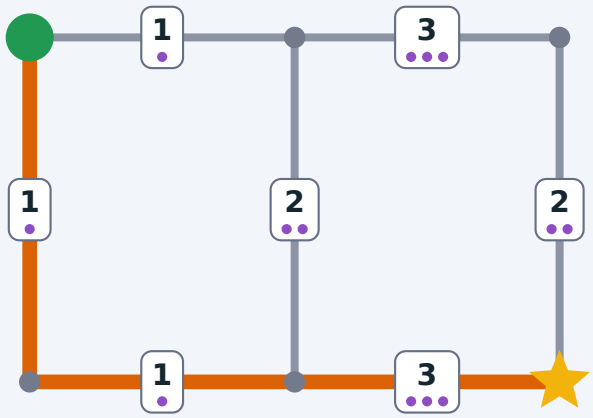
Kindergarten | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

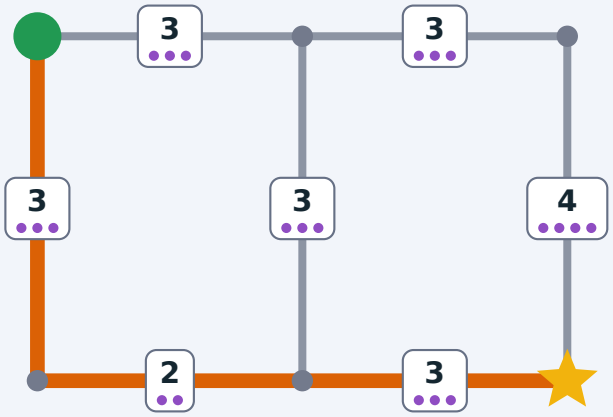
1 Total **6**



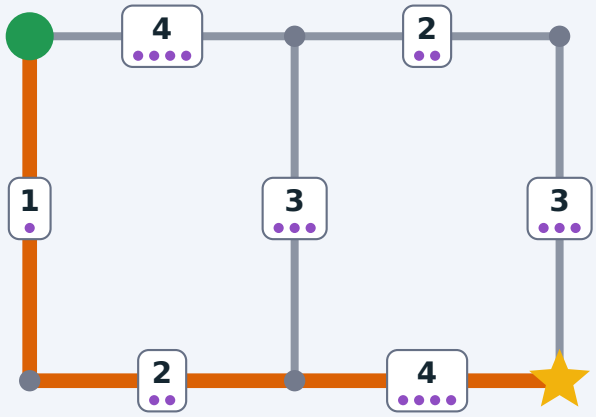
2 Total **5**



3 Total **8**



4 Total **7**



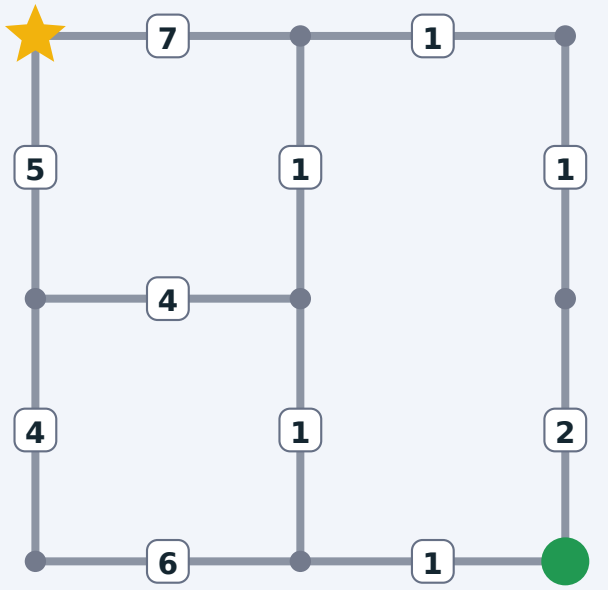
Shortest Routes

Grade 1 | 2026-11-24 | Worksheet

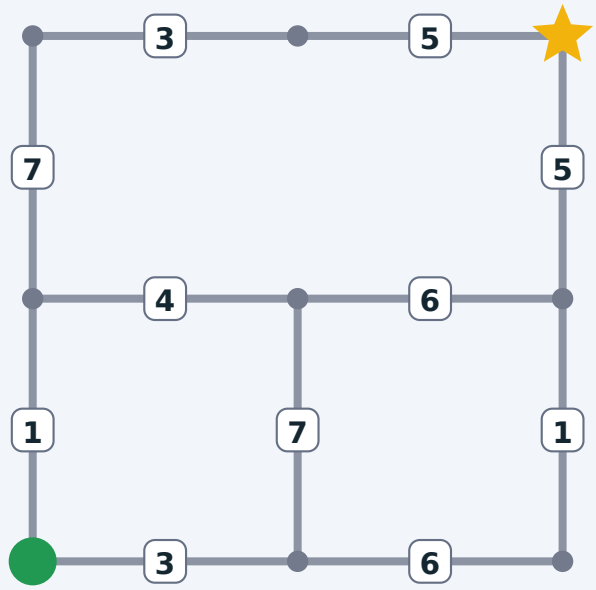
Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Compare a few ways. A way with more roads can still be shorter.

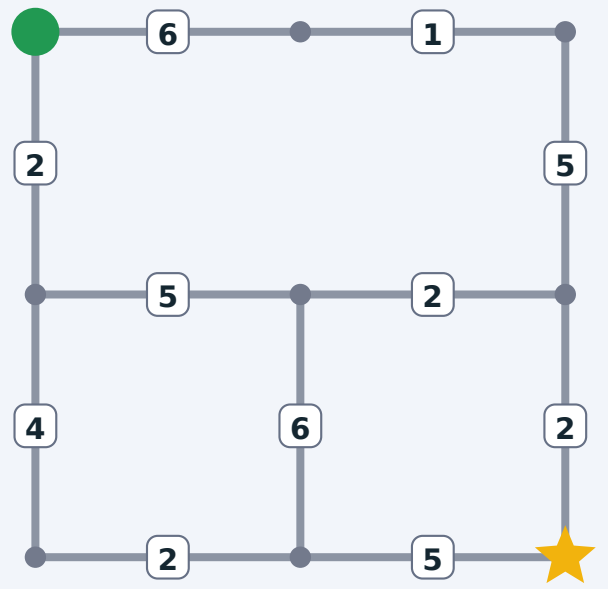
1 Total ☐



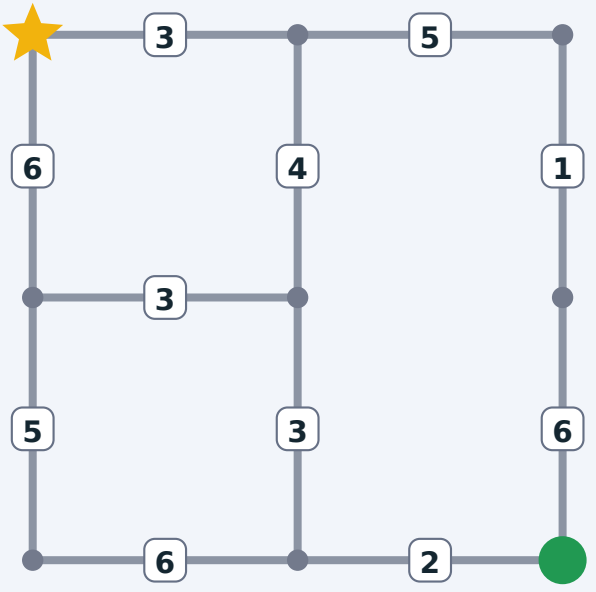
2 Total ☐



3 Total ☐



4 Total ☐

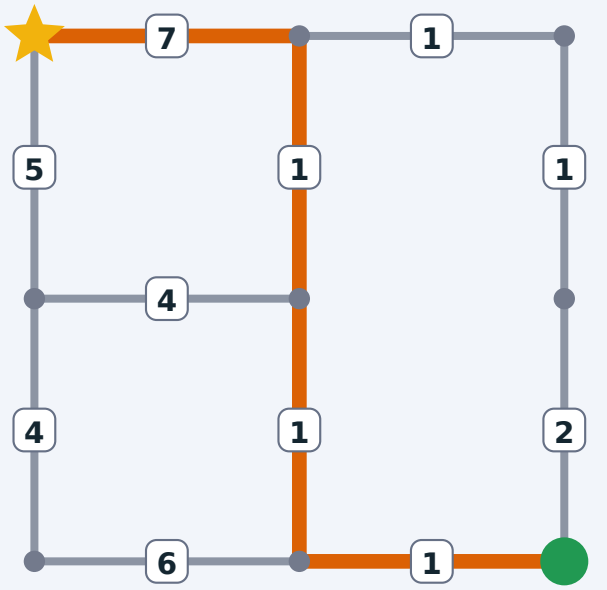


Shortest Routes

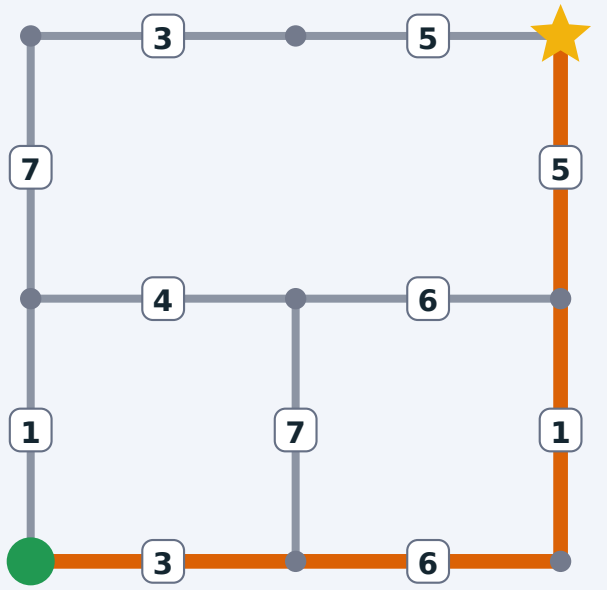
Grade 1 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

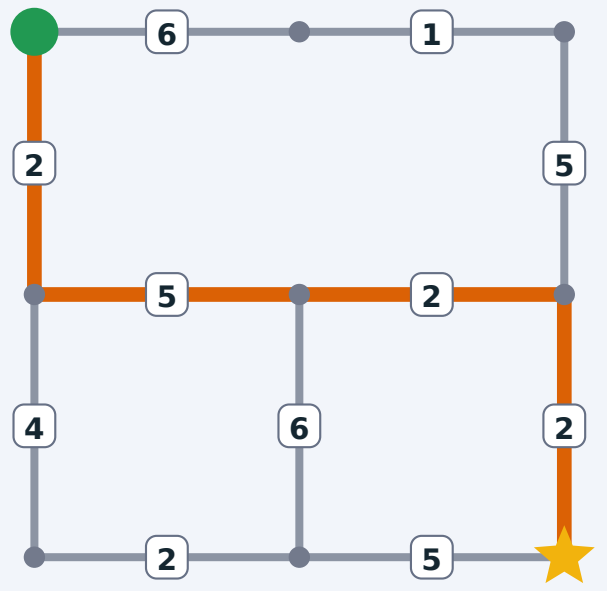
1 Total **10**



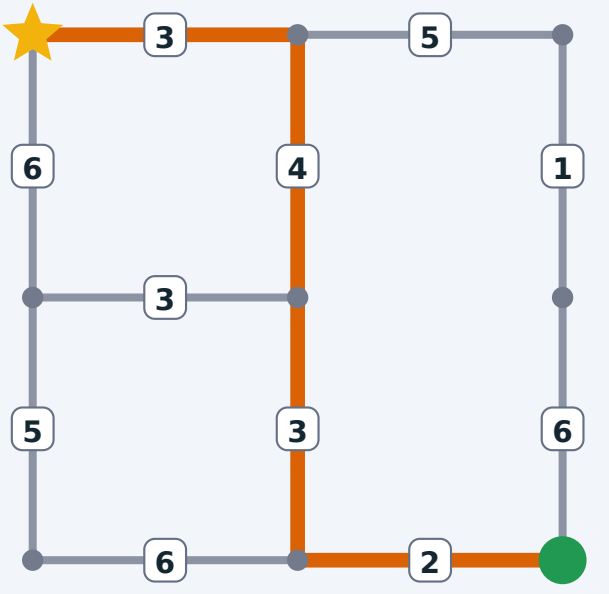
2 Total **15**



3 Total **11**



4 Total **12**



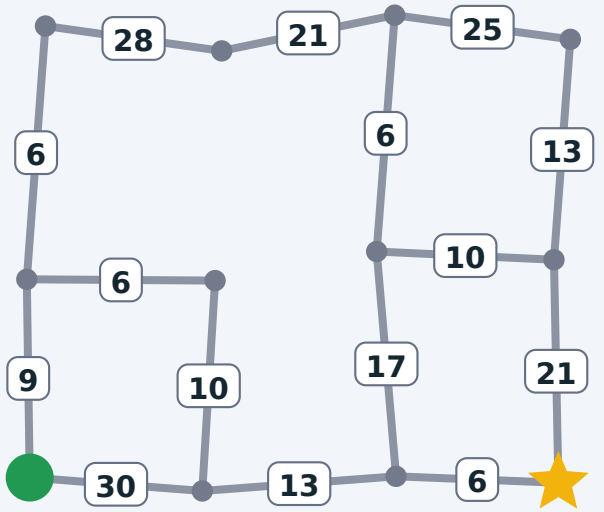
Shortest Routes

Grade 2 | 2026-11-24 | Worksheet

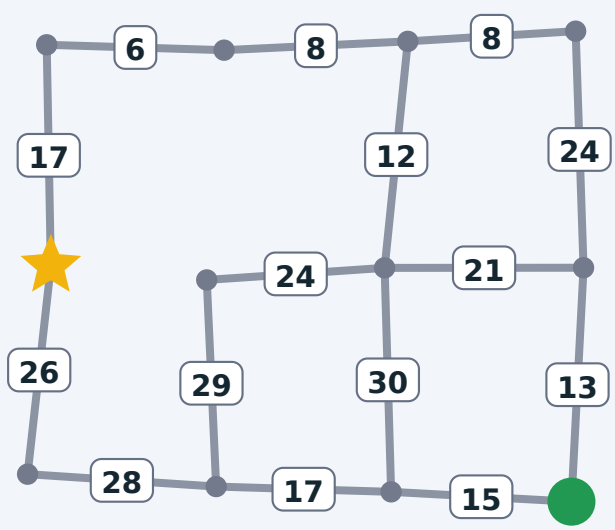
Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

The way with the fewest roads is not always the shortest. Add carefully and compare.

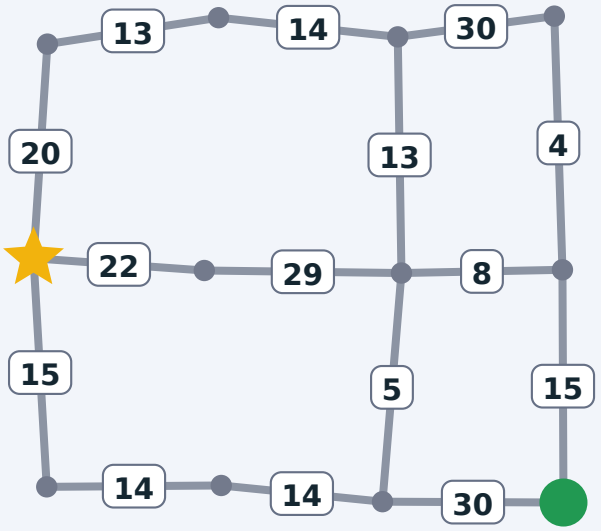
1 Total ☐



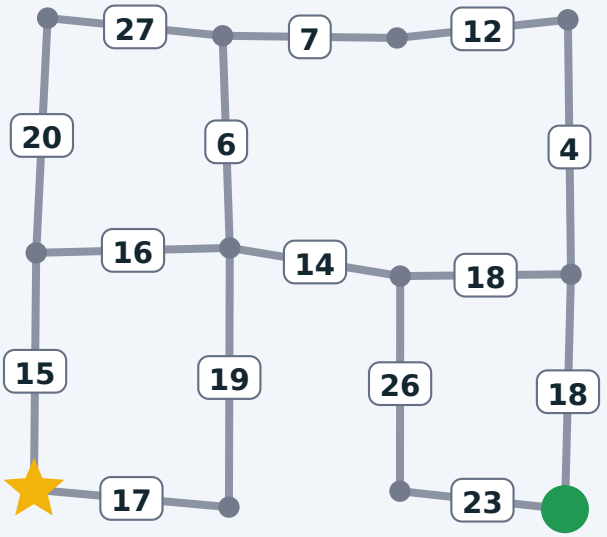
2 Total ☐



3 Total ☐



4 Total ☐

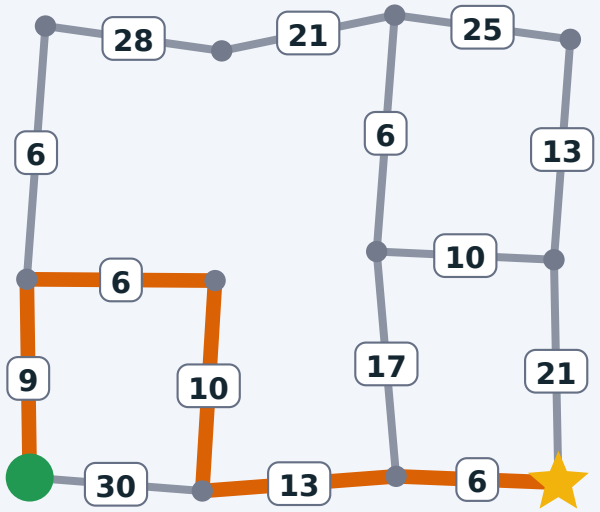


Shortest Routes

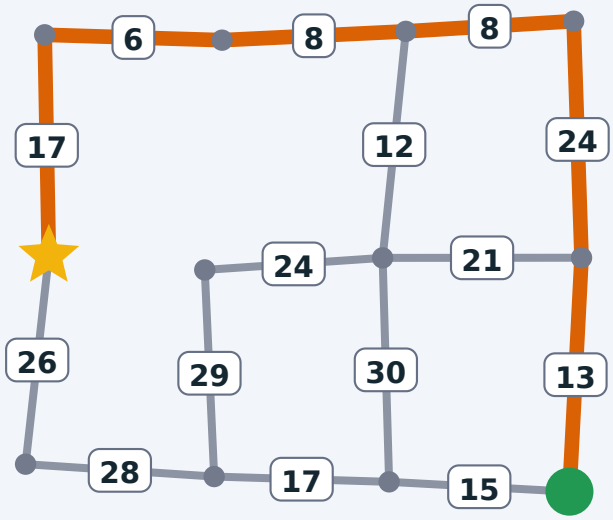
Grade 2 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

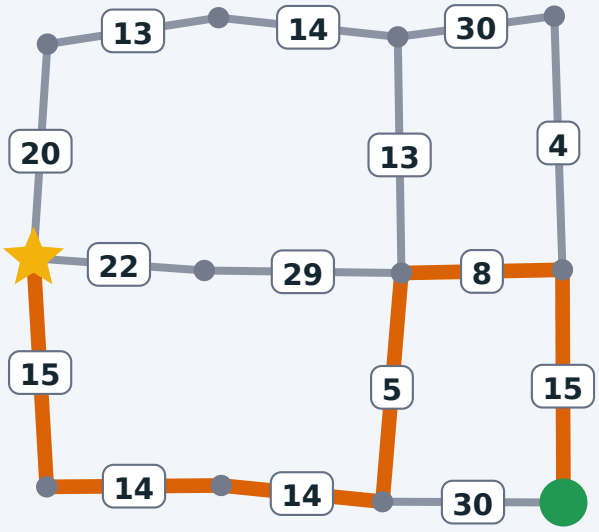
1 Total **44**



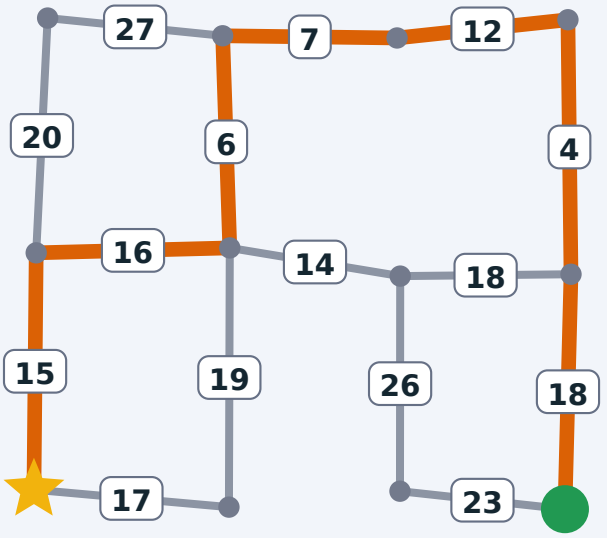
2 Total **76**



3 Total **71**



4 Total **78**



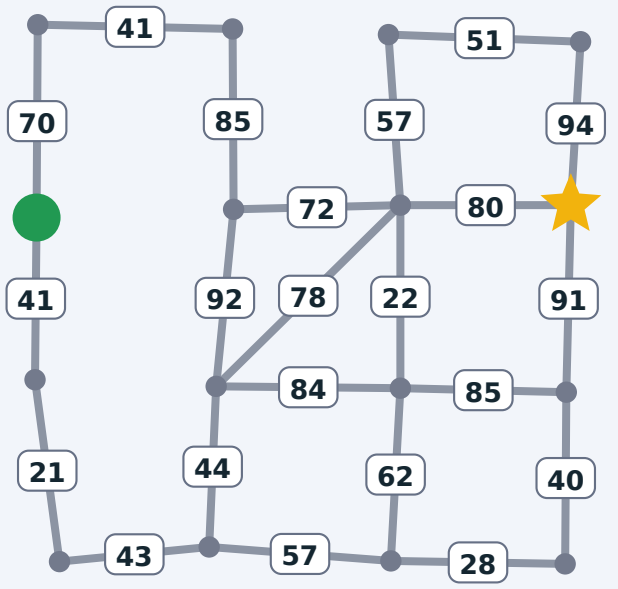
Shortest Routes

Grade 3 | 2026-11-24 | Worksheet

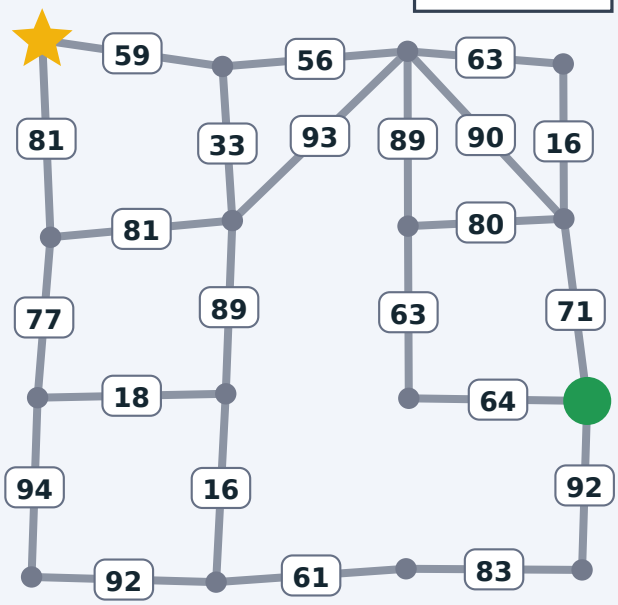
Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Diagonal roads are roads too. Write the best total next to each junction as you go.

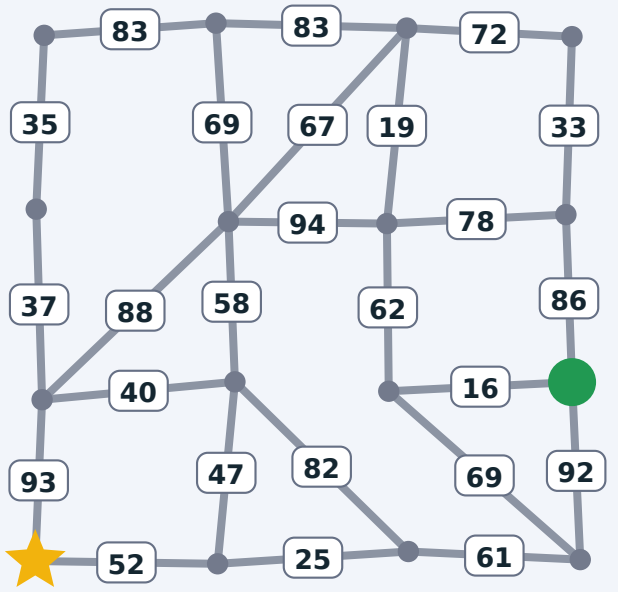
1 Total ☐



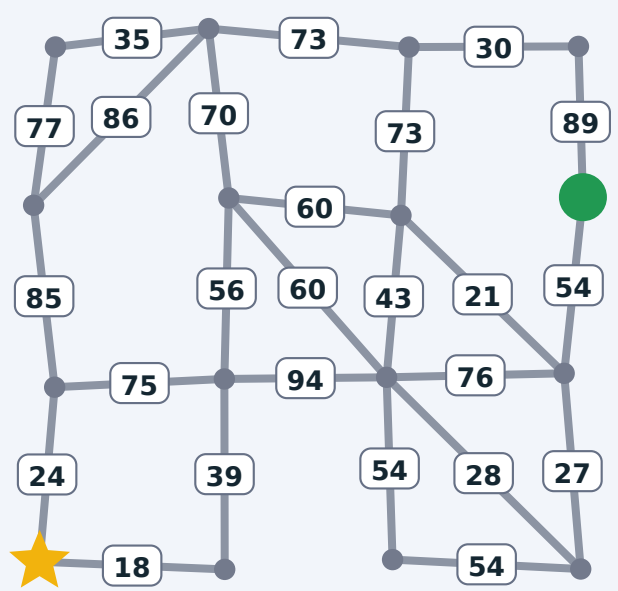
2 Total ☐



3 Total ☐



4 Total ☐

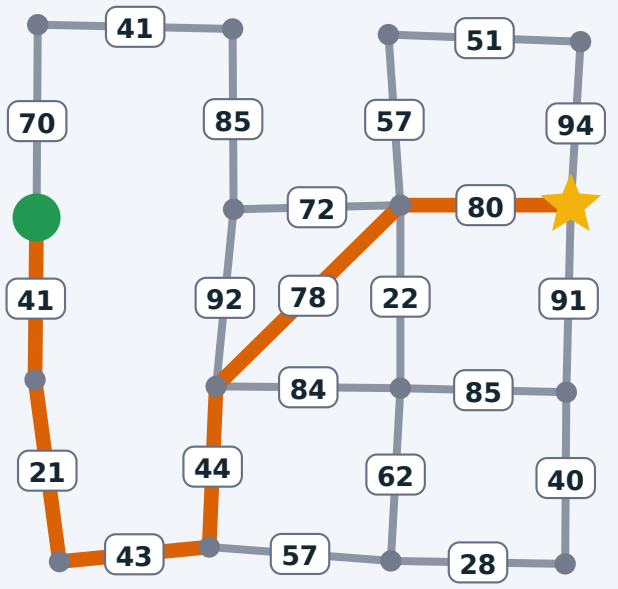


Shortest Routes

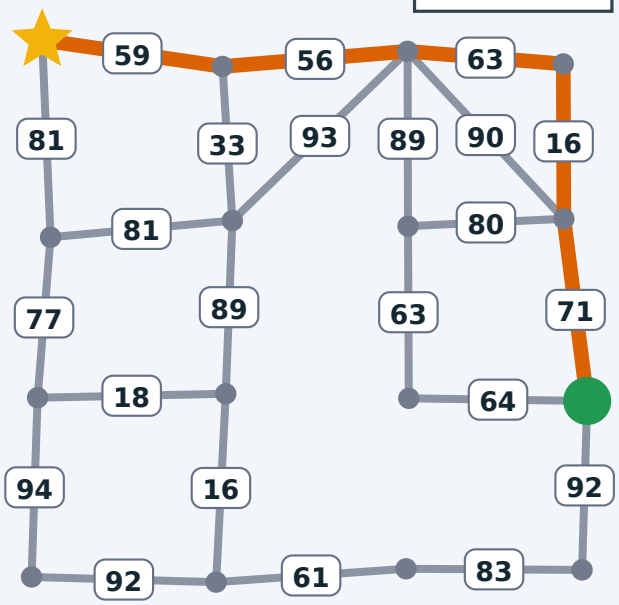
Grade 3 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

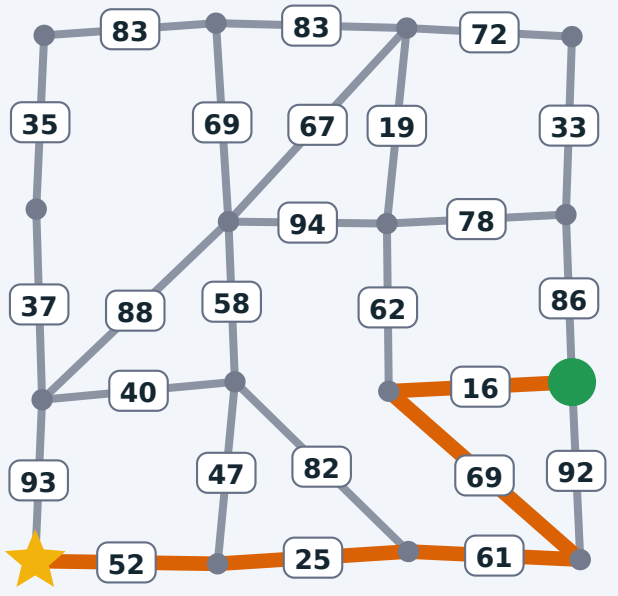
1 Total **307**



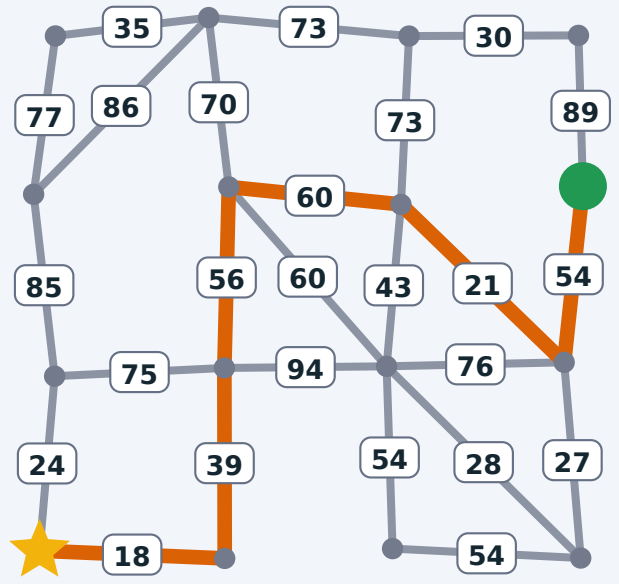
2 Total **265**



3 Total **223**



4 Total **248**



Shortest Routes

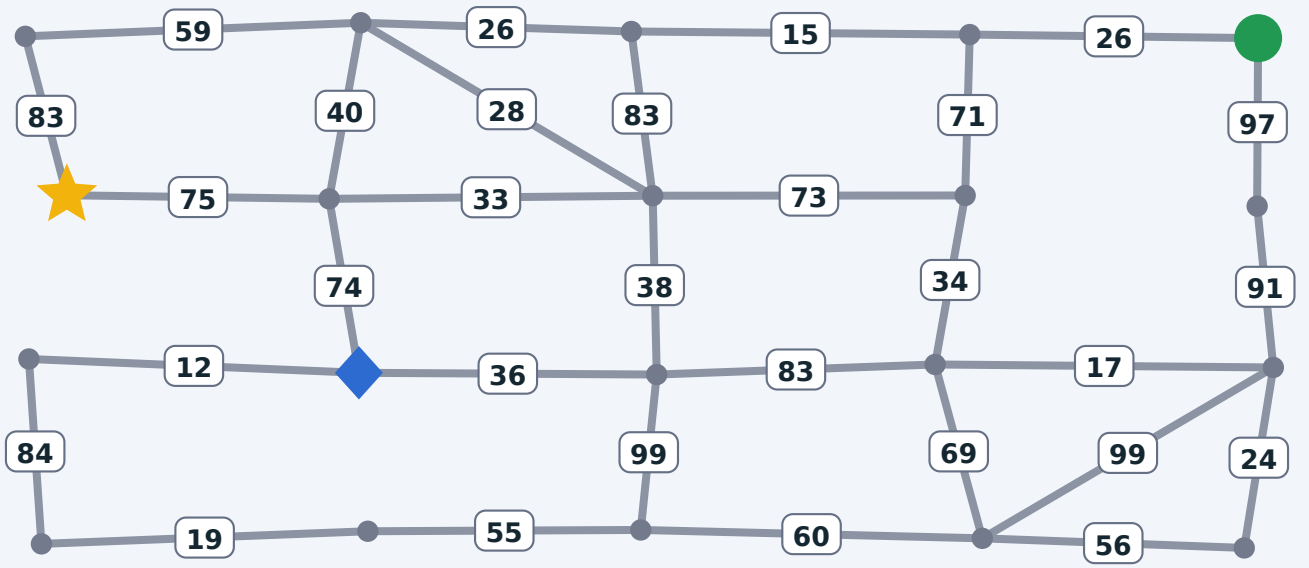
Grade 4 | 2026-11-24 | Worksheet

Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Your route must pass the blue diamond. Find the best way to the diamond and the best way from it to the star.

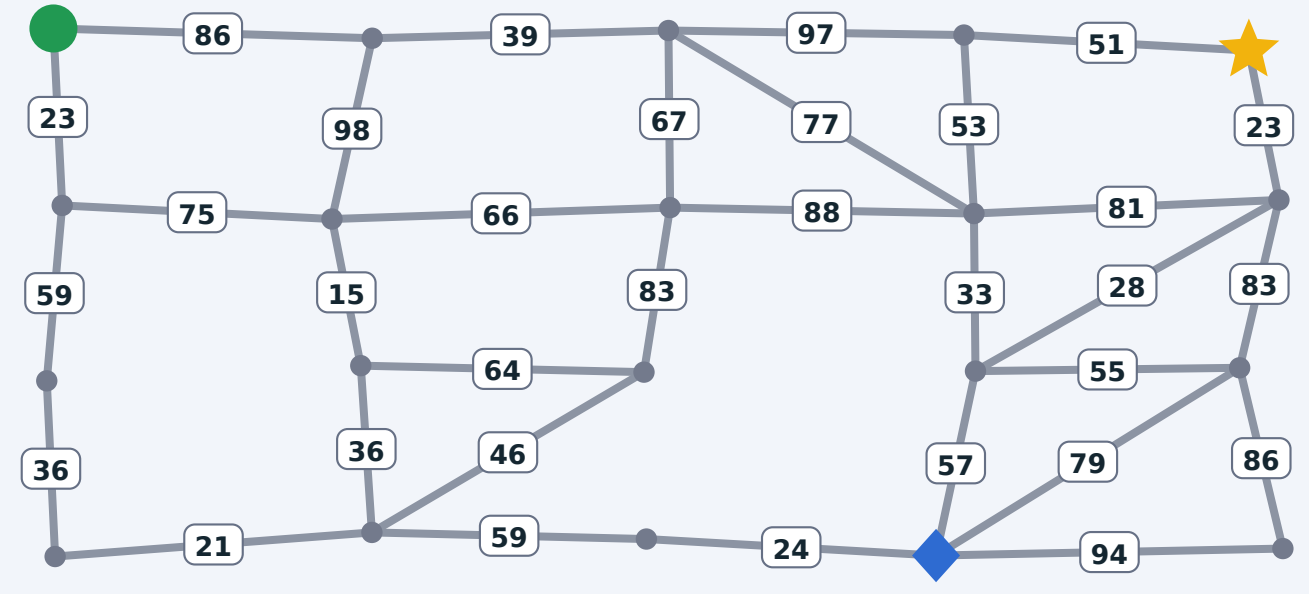
1

Total ____



2

Total ____



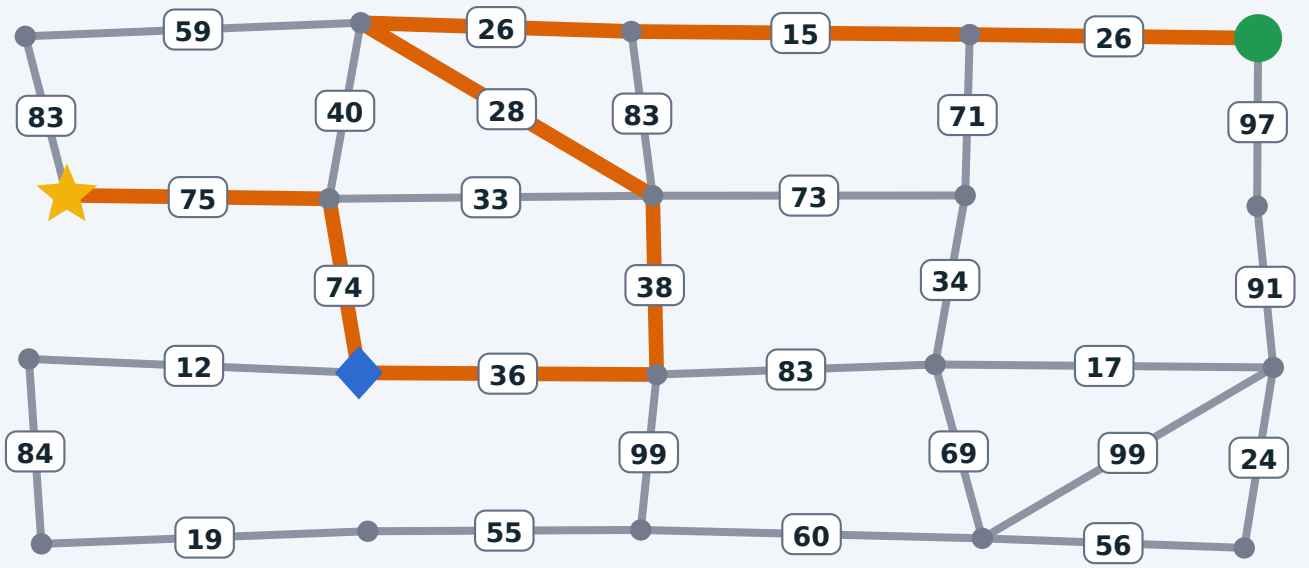
Shortest Routes

Grade 4 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

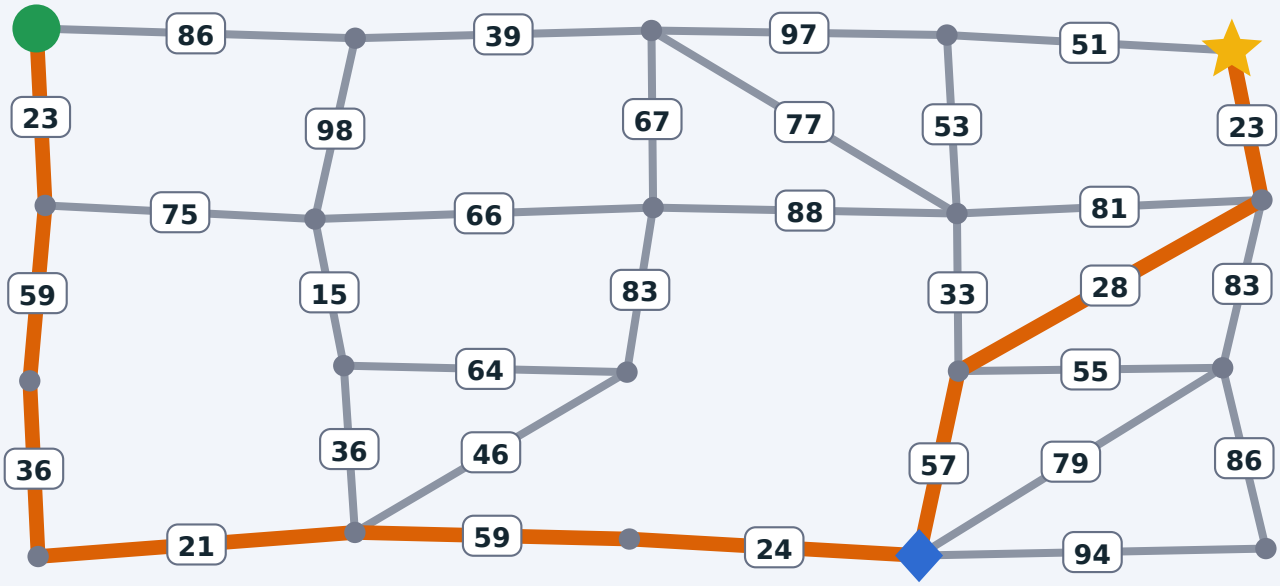
1

Total **318**



2

Total **330**



Shortest Routes

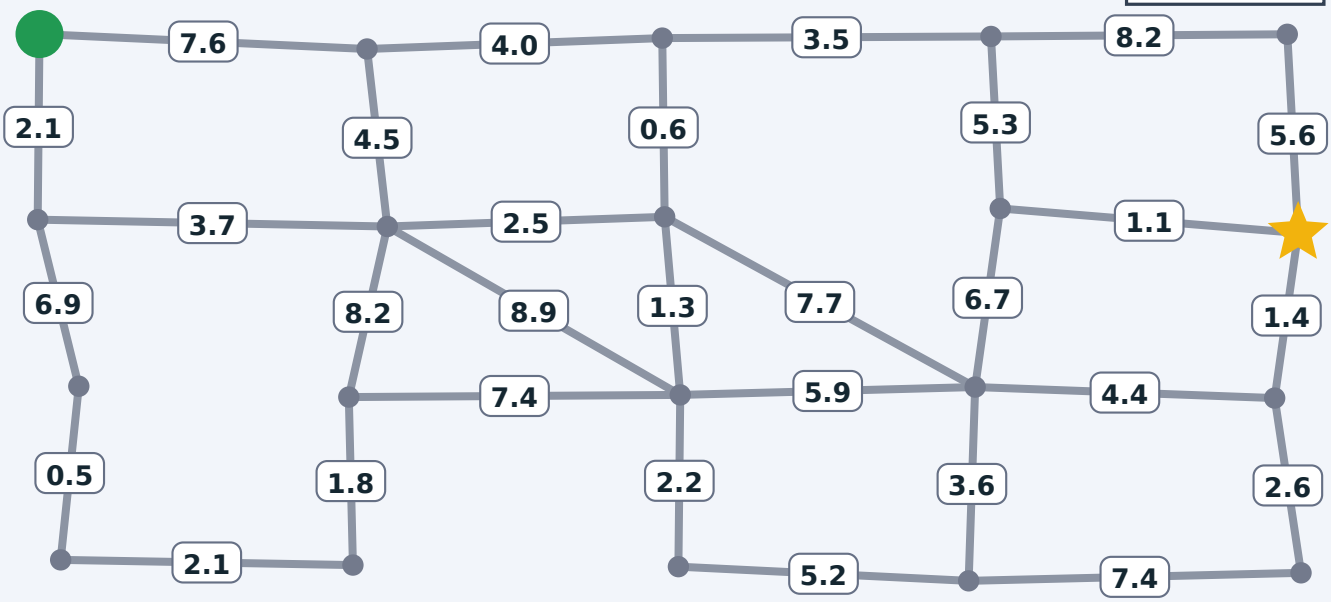
Grade 5 | 2026-11-24 | Worksheet

Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Lengths have tenths. Keep the decimal points under each other when you add.

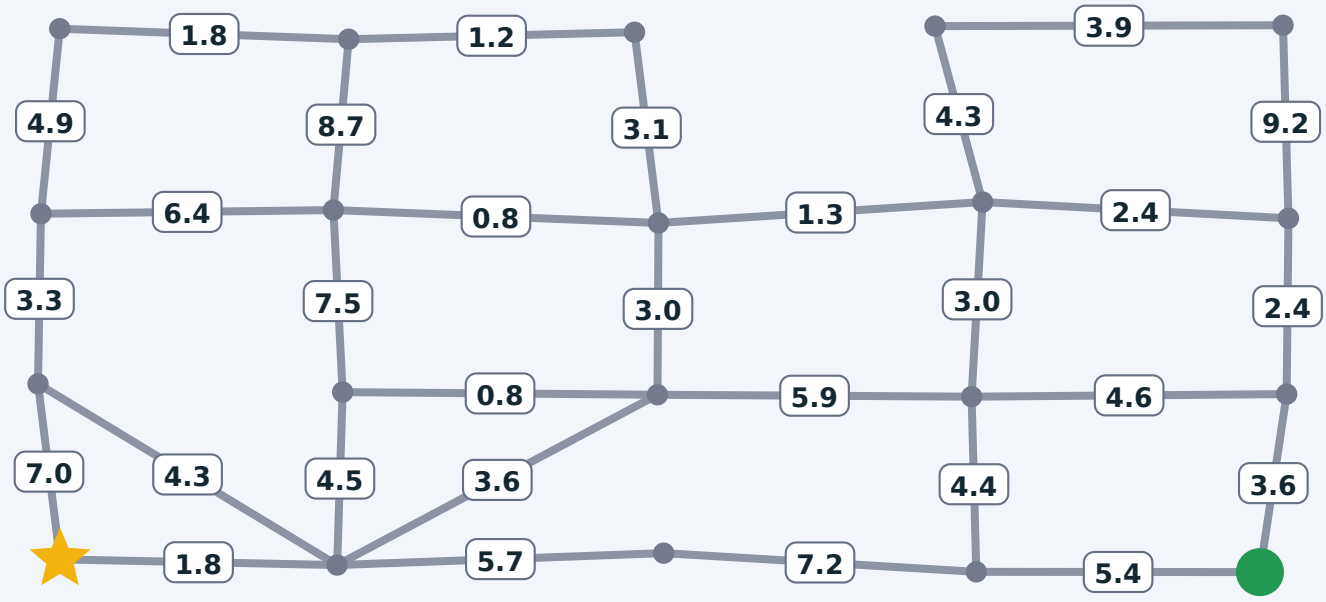
1

Total ☐



2

Total ☐



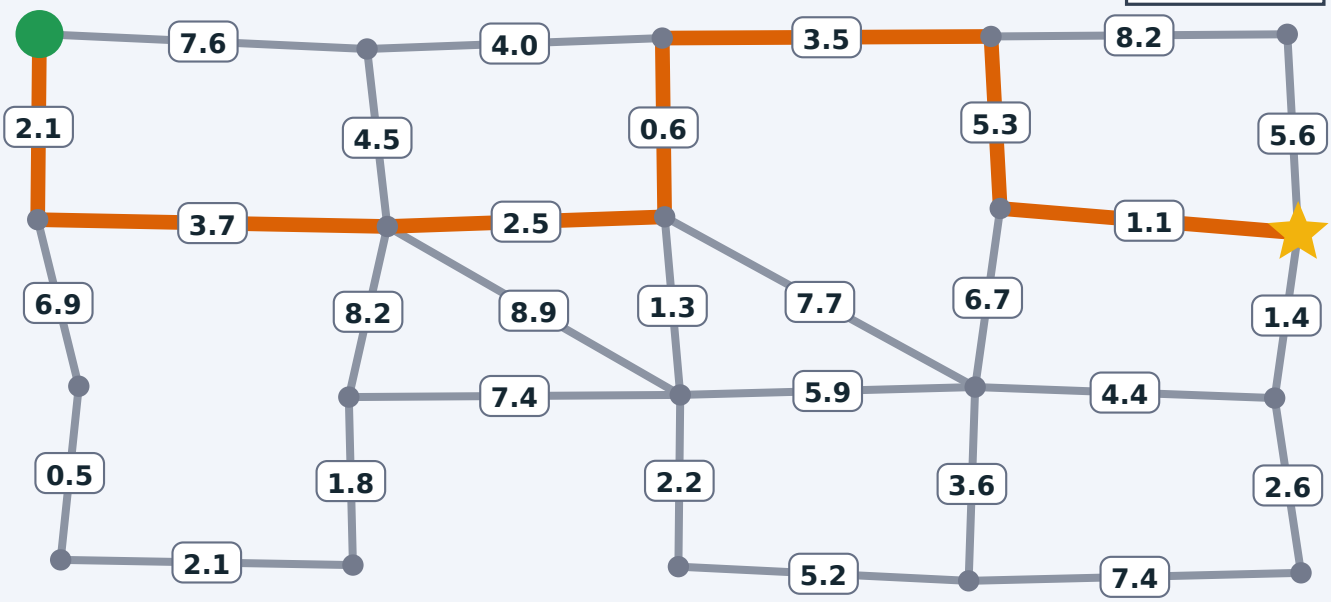
Shortest Routes

Grade 5 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

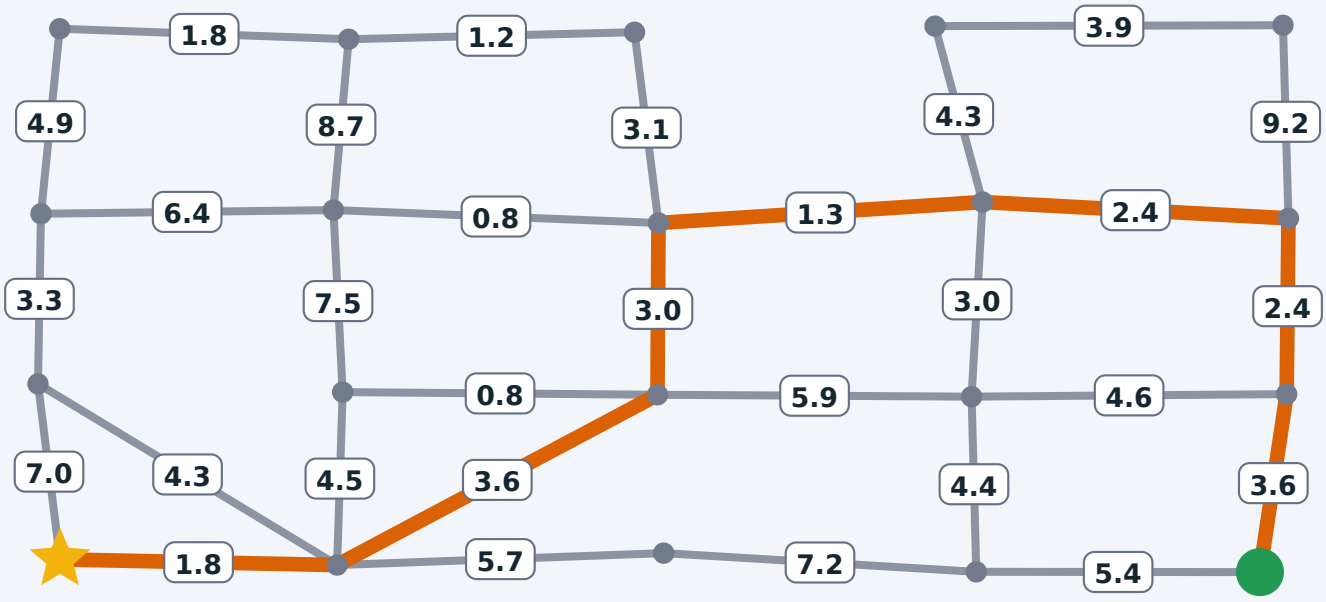
1

Total **18.8**



2

Total **18.1**



Shortest Routes

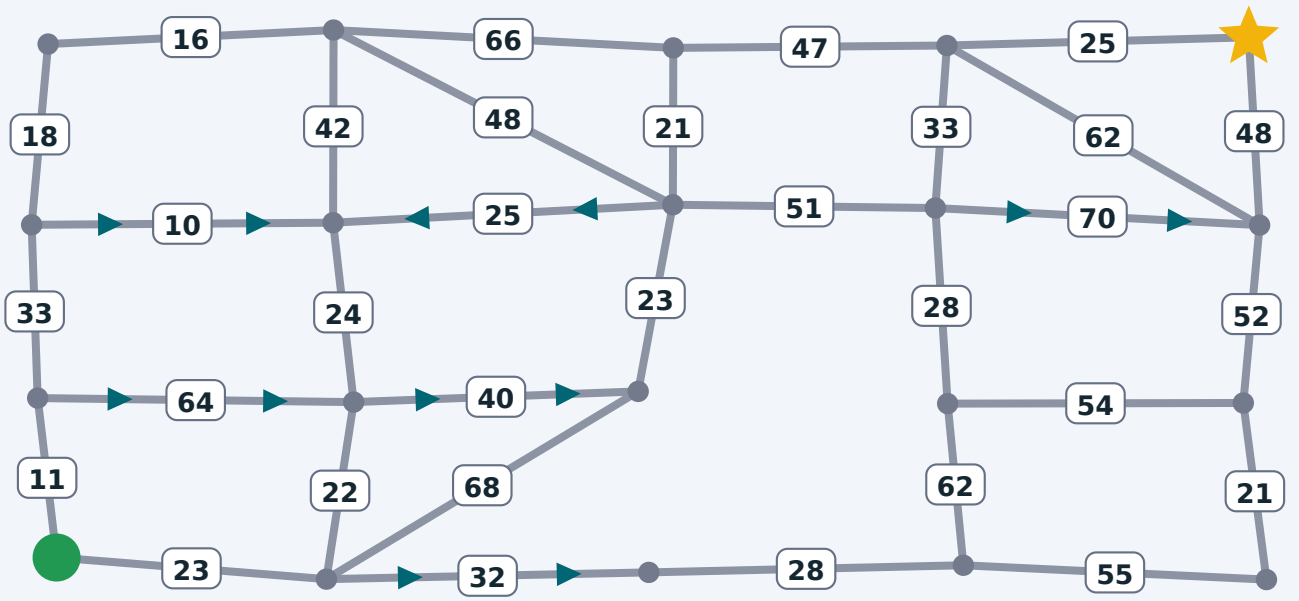
Grade 6 | 2026-11-24 | Worksheet

Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Arrows mark one-way roads: travel them only in the direction of the arrow.

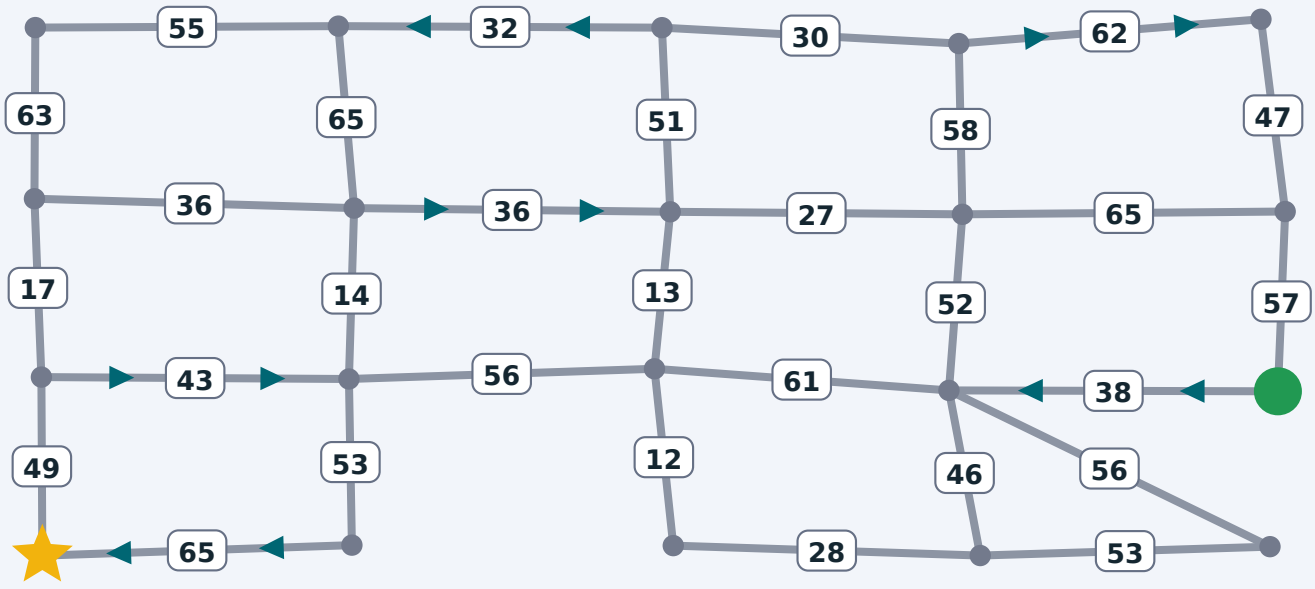
1

Total



2

Total



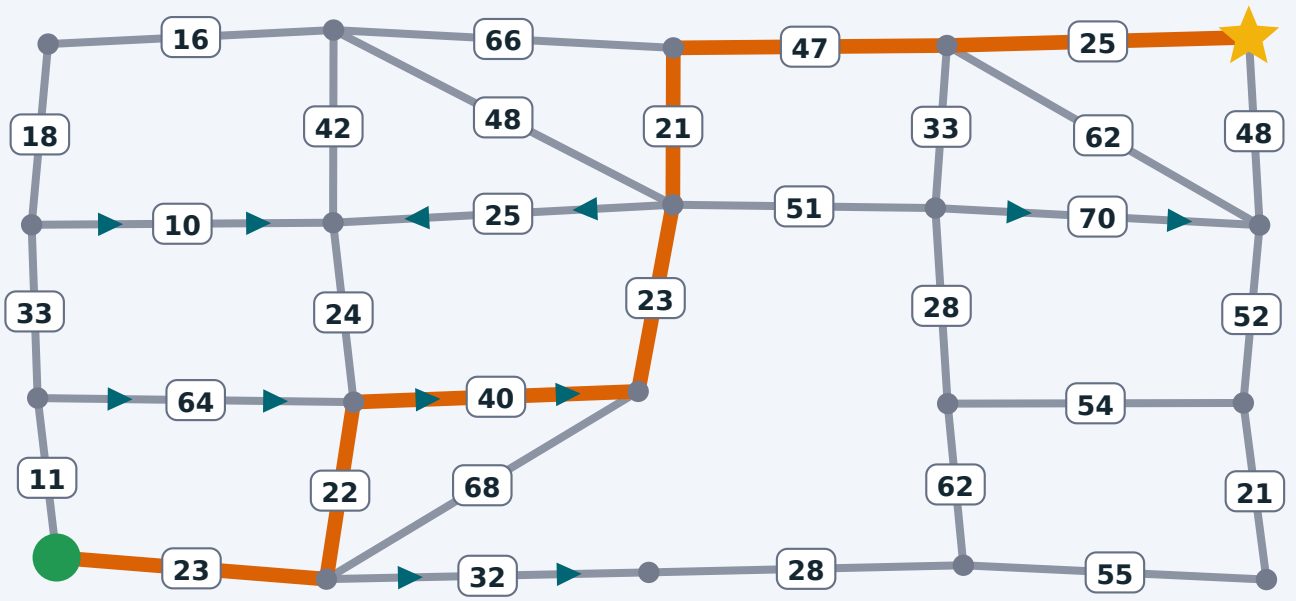
Shortest Routes

Grade 6 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

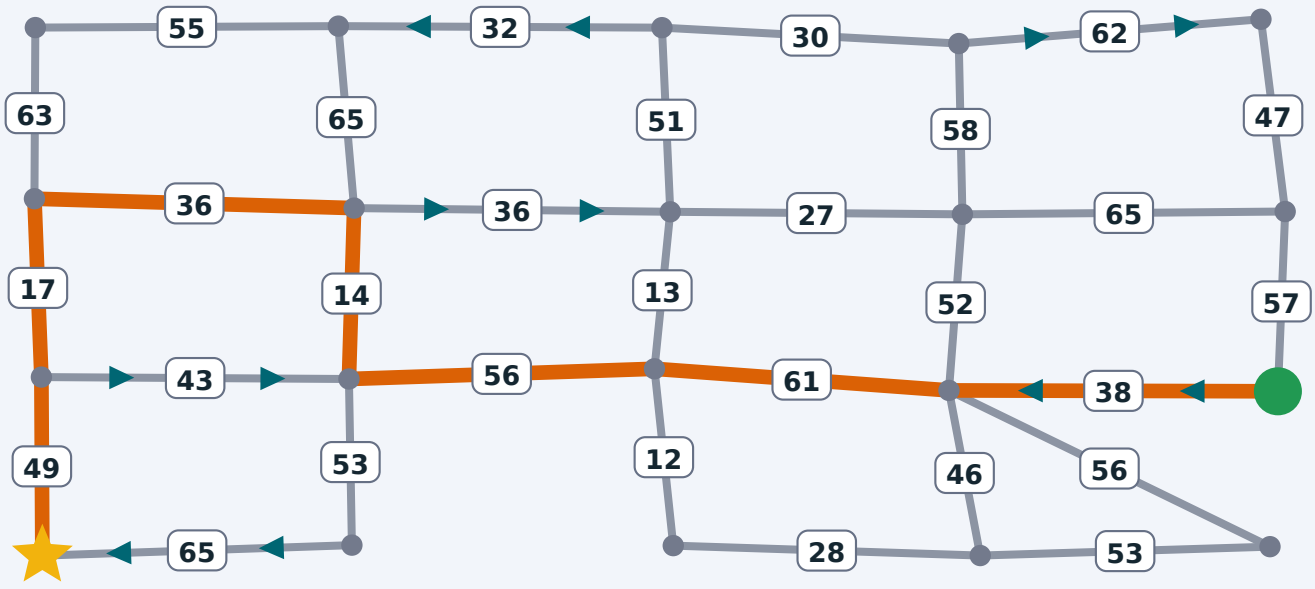
1

Total **201**



2

Total **271**



Shortest Routes

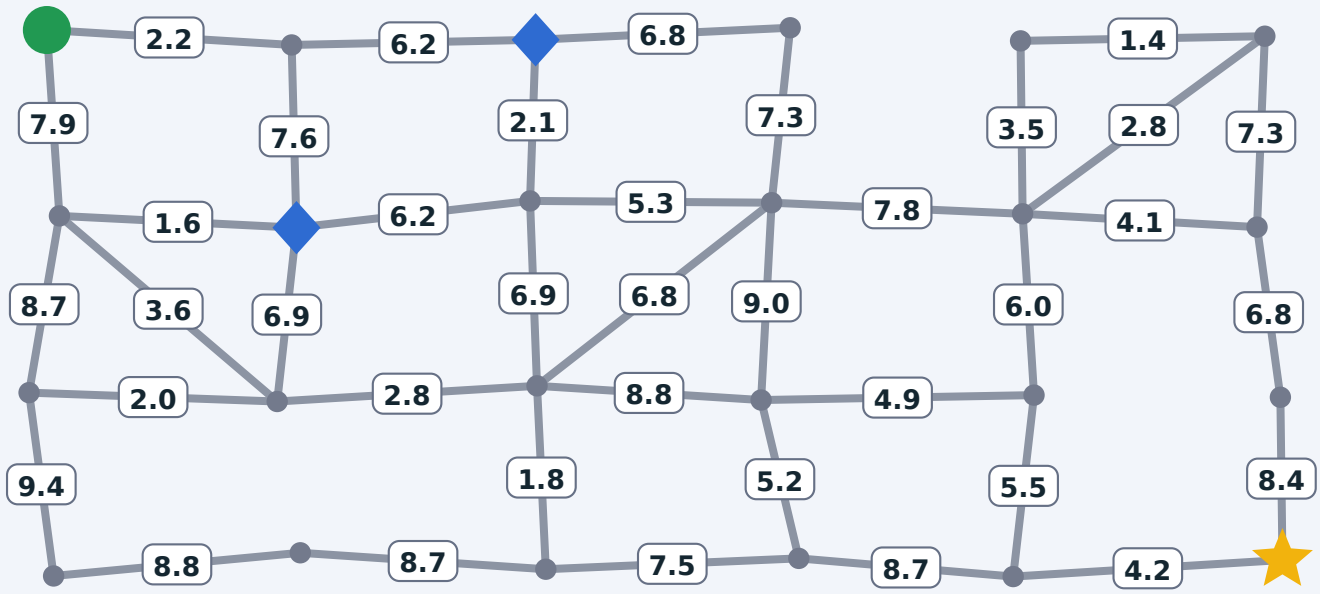
Grade 7 | 2026-11-24 | Worksheet

Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Pass both blue diamonds, in either order. Try both orders and compare the totals.

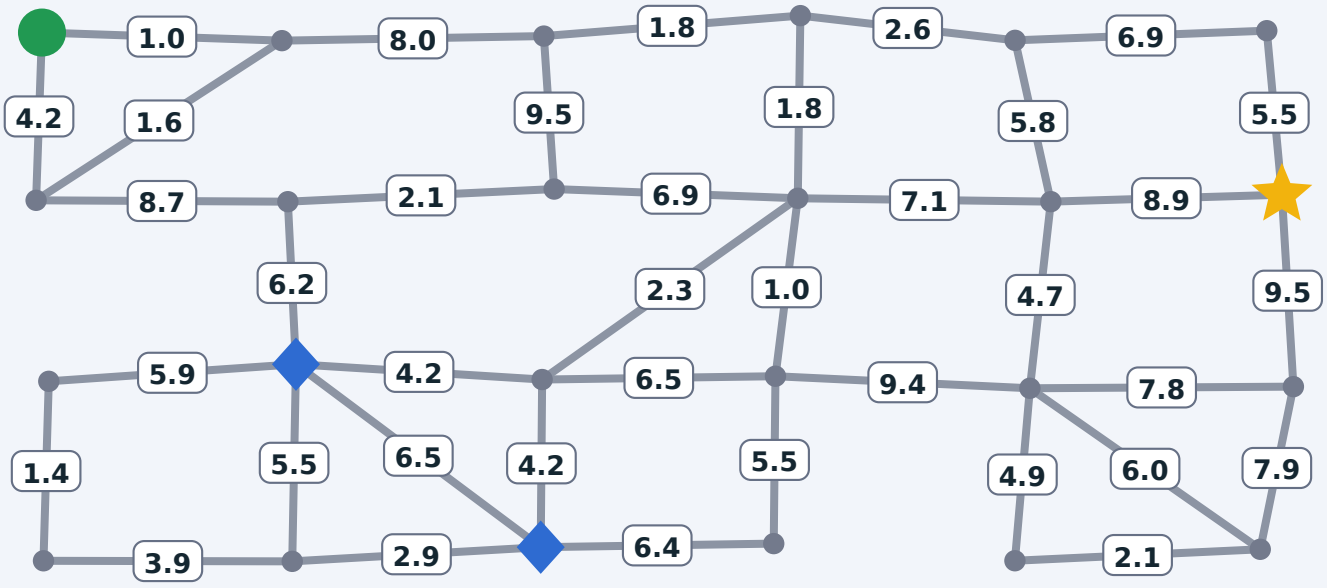
1

Total ☐



2

Total ☐



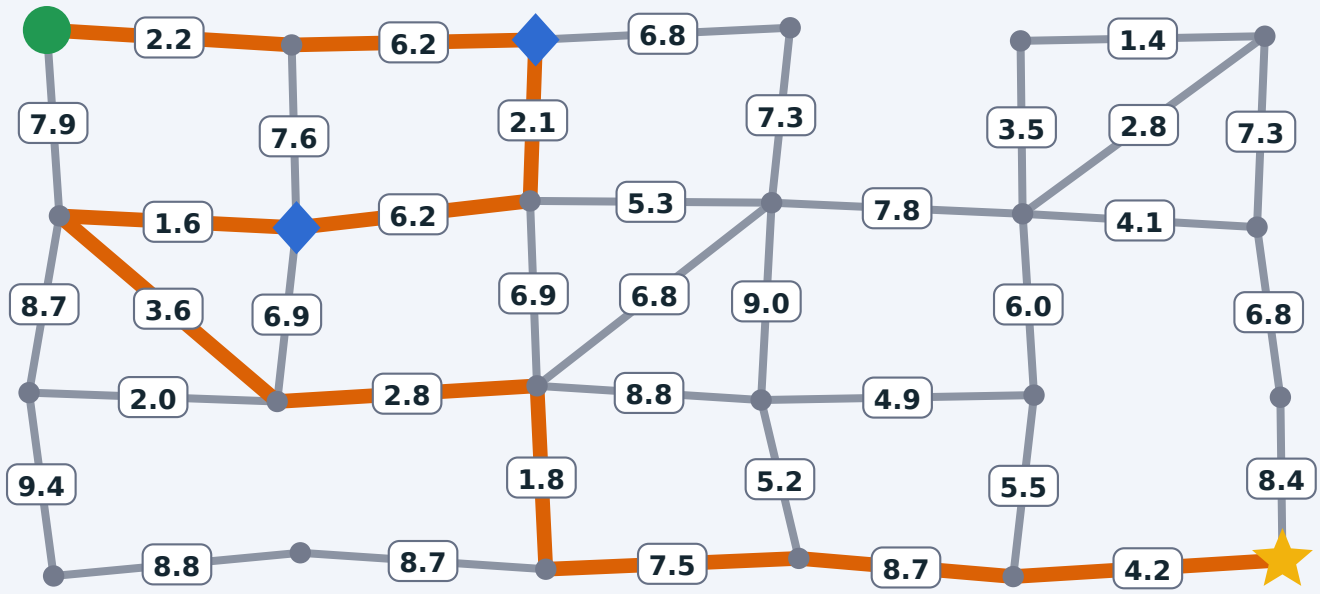
Shortest Routes

Grade 7 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

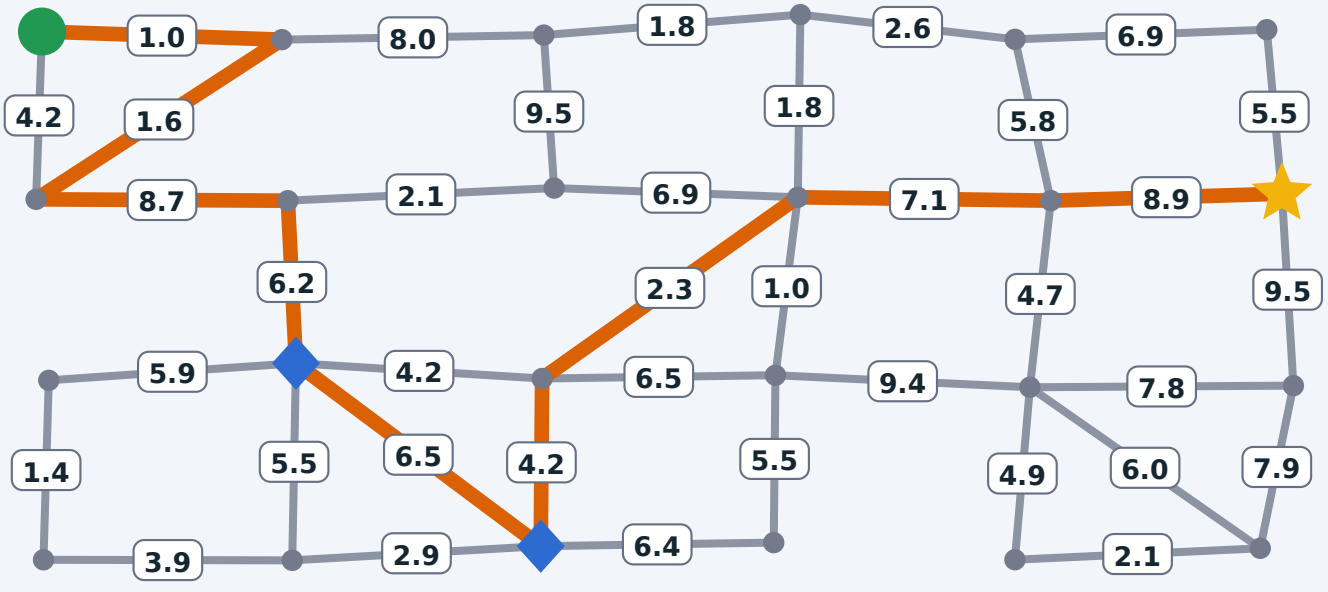
1

Total **46.9**



2

Total **46.5**



Shortest Routes

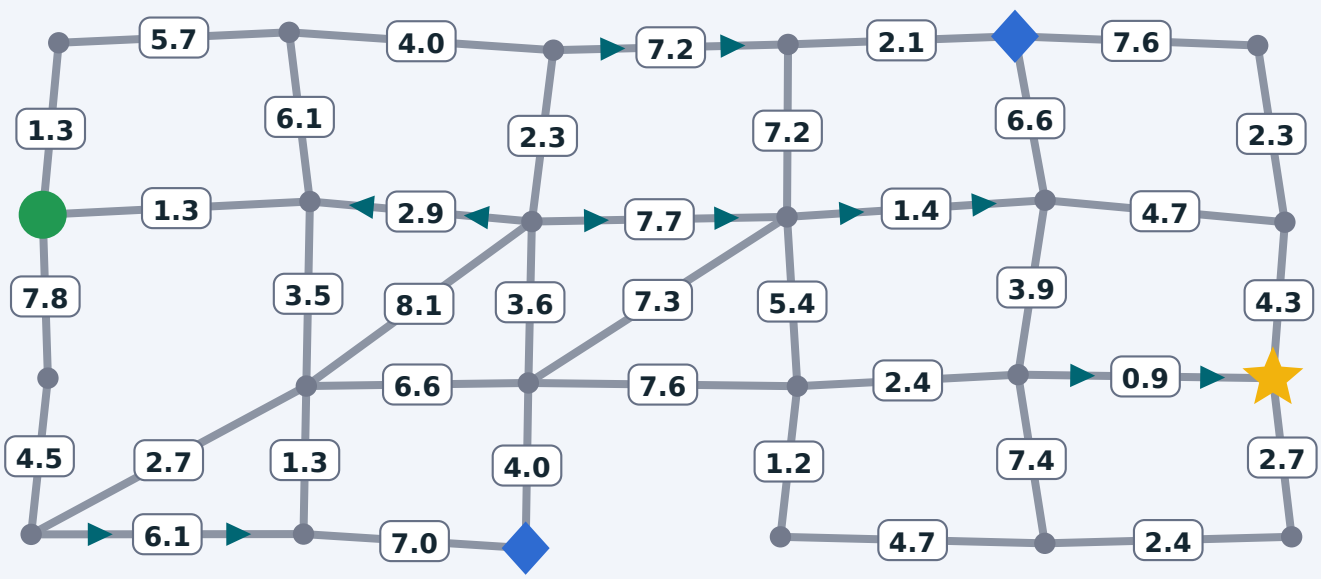
Grade 8 | 2026-11-24 | Worksheet

Start at the green circle and travel along the roads to the star. Each road is labelled with its length; the drawing is not to scale, so use only the labels. The total of a route is the sum of its roads. Draw the route with the smallest total and write that total in the box.

Pass both blue diamonds, in either order, and follow the one-way arrows. Lengths have tenths.

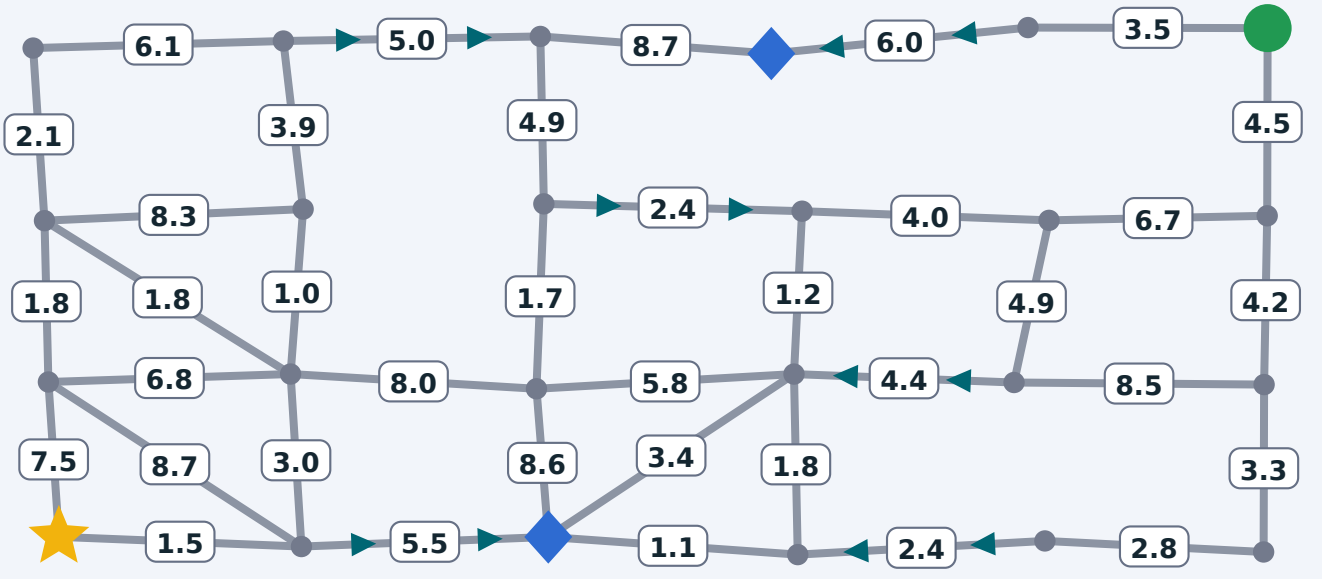
1

Total ____



2

Total ____



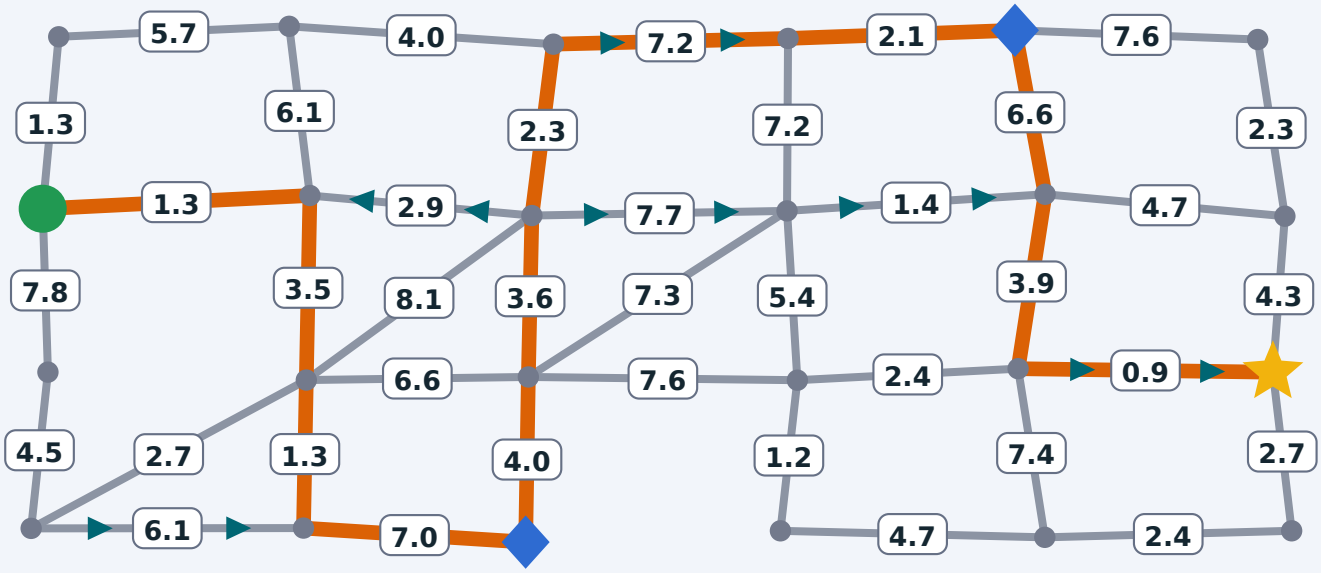
Shortest Routes

Grade 8 | 2026-11-24 | Answer key

The orange route is the shortest one; its total is written in the box.

1

Total **43.7**



2

Total **50.7**

