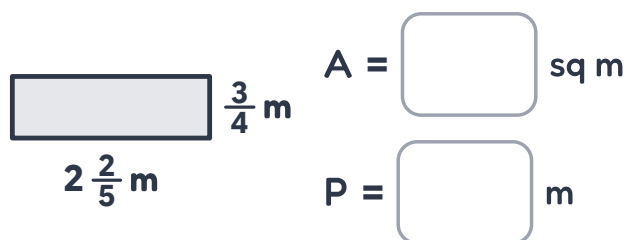


Area and Perimeter

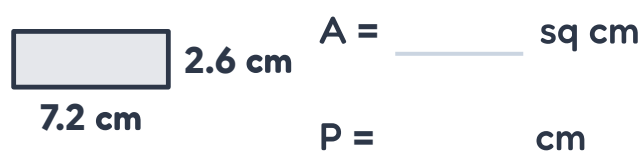
Unit Test, Form A (page 1 of 2)

Score _____ / 12

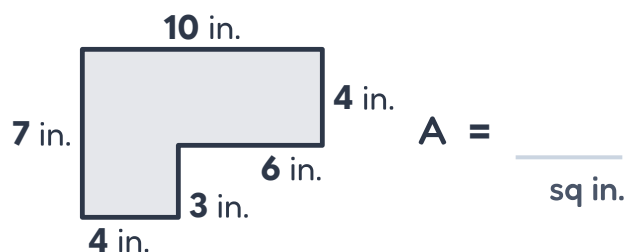
1. Find the area and the perimeter.
Write mixed numbers in simplest form.



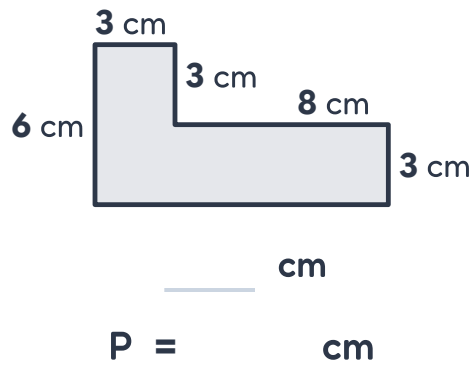
2. Find the area and the perimeter.



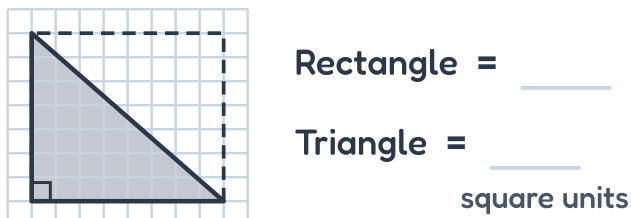
3. Split the shape into two rectangles. Find its area.



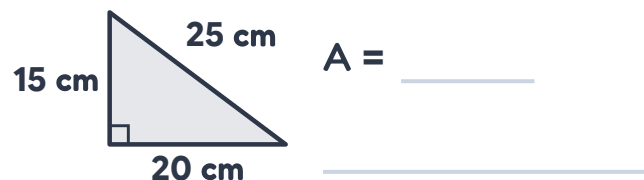
4. Find the missing side. Then find the perimeter.



5. Find the area of the dashed rectangle. Then find the area of the triangle.



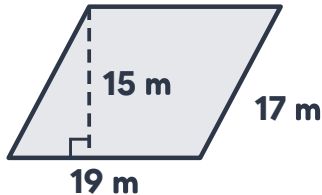
6. Find the area of the right triangle.
Write the units.



Area and Perimeter

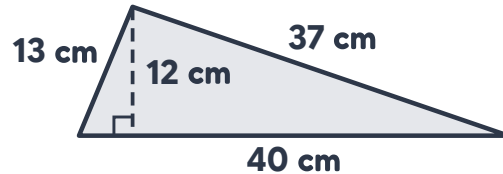
Unit Test, Form A (page 2 of 2)

7. Find the area of the parallelogram.



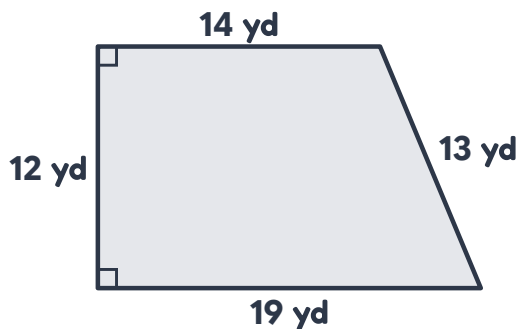
A = _____ sq m

8. Find the area of the triangle.



A = _____ sq cm

9. Split the trapezoid into a rectangle and a triangle. Find its area.



A = _____ sq yd

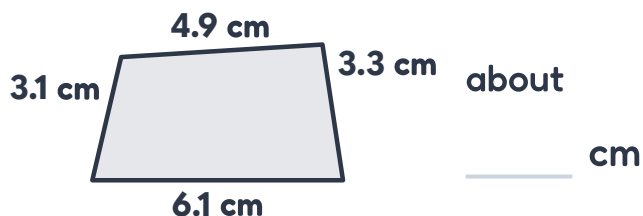
10. Read the story. Write each answer with its units.

A patio is a parallelogram with a base of 17 m, a slanted side of 10 m and a height of 6 m. How much fence goes around it? How much ground does it cover?

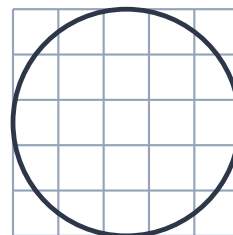
Fence: _____

Ground: _____

11. Round each side to the nearest centimeter. Estimate the perimeter.



12. Estimate the perimeter. Circle the best estimate.



Each square is 1 cm long.

10 cm

16 cm

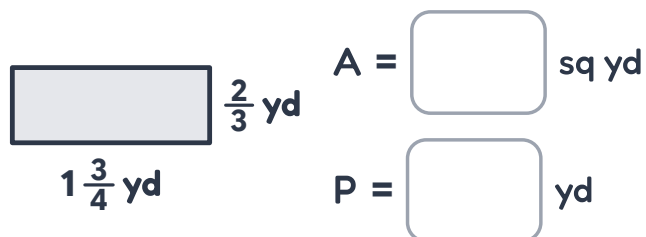
20 cm

Area and Perimeter

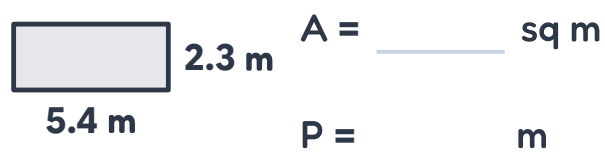
Unit Test, Form B (page 1 of 2)

Score _____ / 12

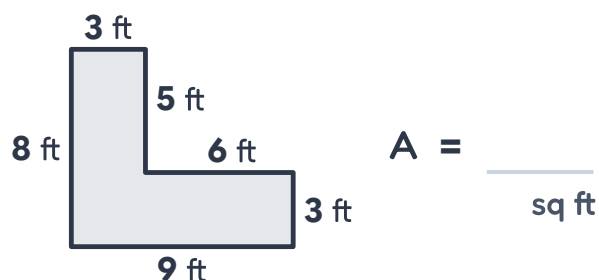
1. Find the area and the perimeter.
Write mixed numbers in simplest form.



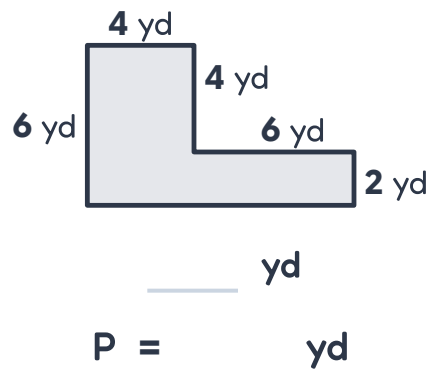
2. Find the area and the perimeter.



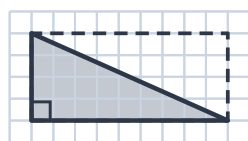
3. Split the shape into two rectangles. Find its area.



4. Find the missing side. Then find the perimeter.



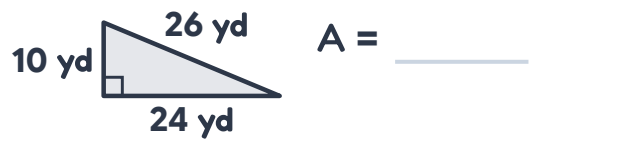
5. Find the area of the dashed rectangle. Then find the area of the triangle.



Rectangle =

Triangle =
square units

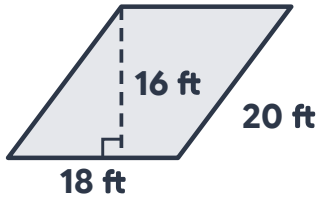
6. Find the area of the right triangle.
Write the units.



Area and Perimeter

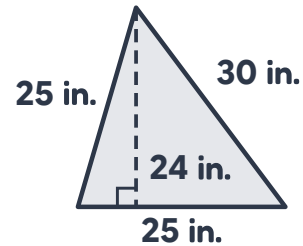
Unit Test, Form B (page 2 of 2)

7. Find the area of the parallelogram.



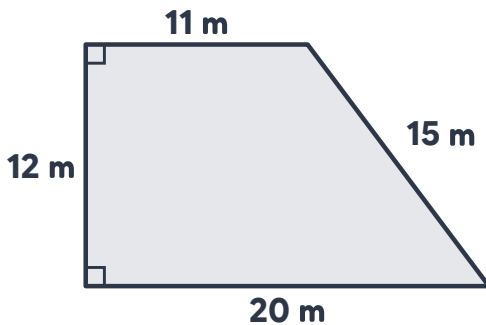
A = _____ sq ft

8. Find the area of the triangle.



A = _____ sq in.

9. Split the trapezoid into a rectangle and a triangle. Find its area.



A = _____ sq m

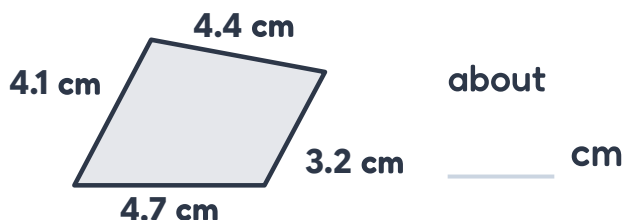
10. Read the story. Write each answer with its units.

A stage is a parallelogram with a base of 18 ft, a slanted side of 7 ft and a height of 5 ft. How much trim goes around its edge? How much floor does it cover?

Trim: _____

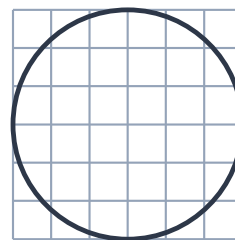
Floor: _____

11. Round each side to the nearest centimeter. Estimate the perimeter.



about _____ cm

12. Estimate the perimeter. Circle the best estimate.



Each square is 1 cm long.

12 cm

19 cm

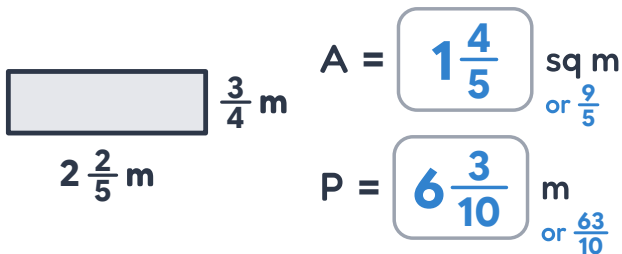
24 cm

Area and Perimeter

Unit Test, Form A (page 1 of 2)

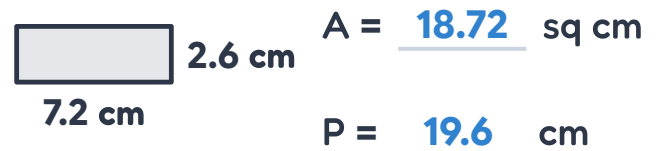
Score _____ / 12

1. Find the area and the perimeter. Write mixed numbers in simplest form.



Lesson 13.1 · Fraction and decimal side lengths

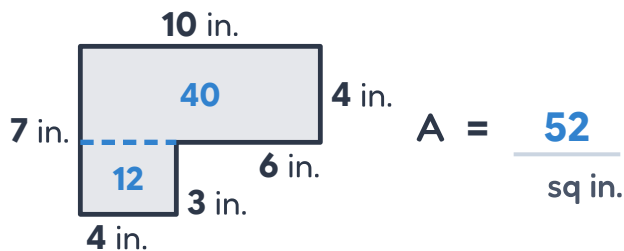
2. Find the area and the perimeter.



Lesson 13.1 · Fraction and decimal side lengths

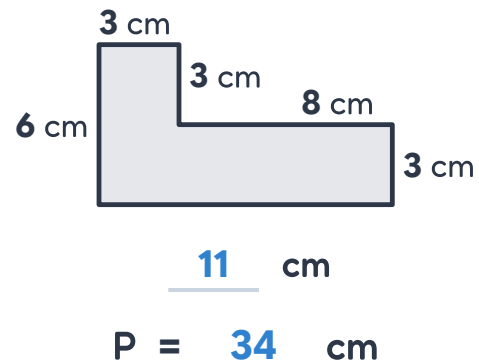
3. Split the shape into two rectangles. Find its area.

One way



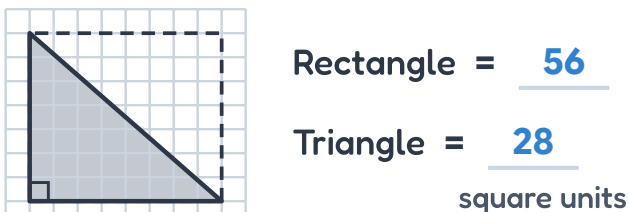
Lesson 13.2 · Shapes made of rectangles

4. Find the missing side. Then find the perimeter.



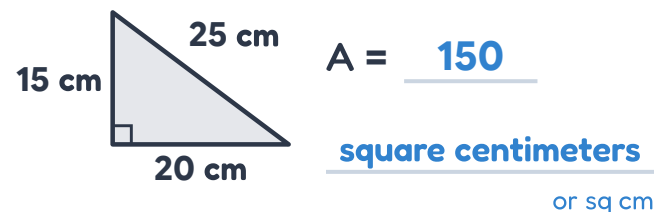
Lesson 13.2 · Shapes made of rectangles

5. Find the area of the dashed rectangle. Then find the area of the triangle.



Lesson 13.3 · Area of right triangles

6. Find the area of the right triangle. Write the units.

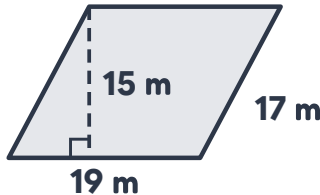


Lesson 13.3 · Area of right triangles

Area and Perimeter

Unit Test, Form A (page 2 of 2)

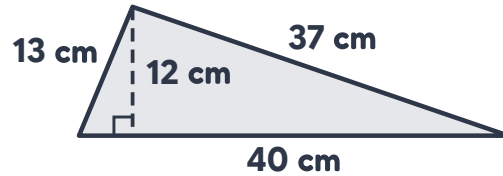
7. Find the area of the parallelogram.



$$A = \underline{285} \text{ sq m}$$

Lesson 13.4 · Parallelograms and triangles

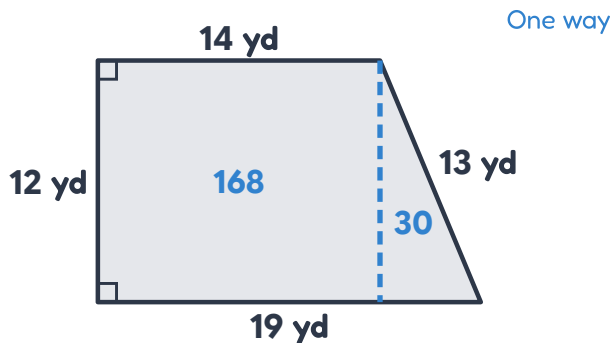
8. Find the area of the triangle.



$$A = \underline{240} \text{ sq cm}$$

Lesson 13.4 · Parallelograms and triangles

9. Split the trapezoid into a rectangle and a triangle. Find its area.



$$A = \underline{198} \text{ sq yd}$$

Lesson 13.5 · Trapezoids and stories

10. Read the story. Write each answer with its units.

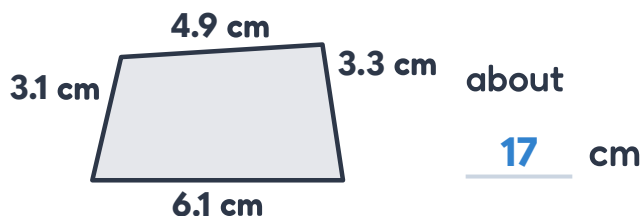
A patio is a parallelogram with a base of 17 m, a slanted side of 10 m and a height of 6 m. How much fence goes around it? How much ground does it cover?

Fence: 54 meters or m

Ground: 102 square meters or sq m

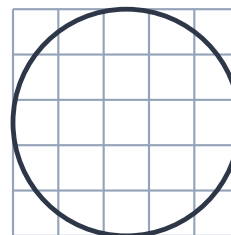
Lesson 13.5 · Trapezoids and stories

11. Round each side to the nearest centimeter. Estimate the perimeter.



Lesson 13.6 · Estimate perimeters

12. Estimate the perimeter. Circle the best estimate.



Each square is 1 cm long.

10 cm

16 cm

20 cm

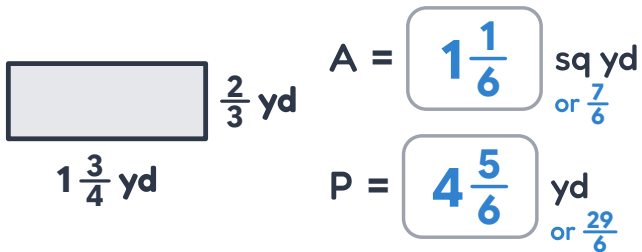
Lesson 13.6 · Estimate perimeters

Area and Perimeter

Unit Test, Form B (page 1 of 2)

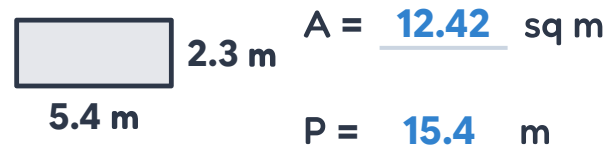
Score _____ / 12

1. Find the area and the perimeter. Write mixed numbers in simplest form.



Lesson 13.1 · Fraction and decimal side lengths

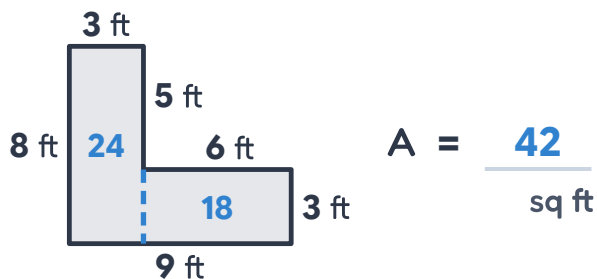
2. Find the area and the perimeter.



Lesson 13.1 · Fraction and decimal side lengths

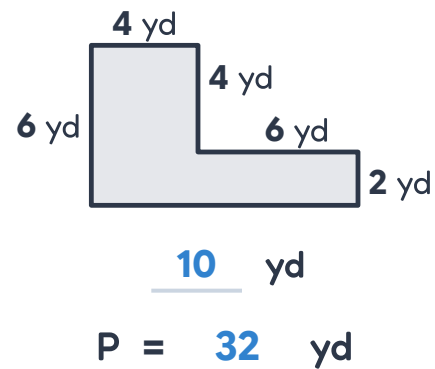
3. Split the shape into two rectangles. Find its area.

One way



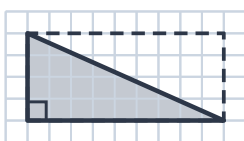
Lesson 13.2 · Shapes made of rectangles

4. Find the missing side. Then find the perimeter.



Lesson 13.2 · Shapes made of rectangles

5. Find the area of the dashed rectangle. Then find the area of the triangle.



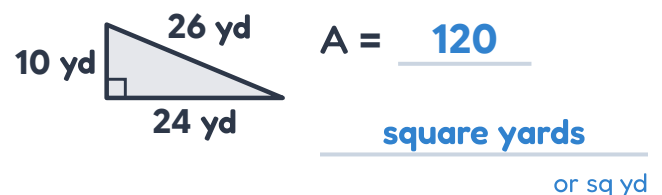
Rectangle = 36

Triangle = 18

square units

Lesson 13.3 · Area of right triangles

6. Find the area of the right triangle. Write the units.

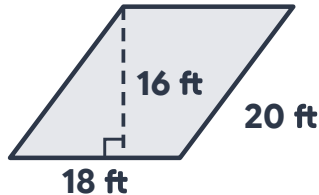


Lesson 13.3 · Area of right triangles

Area and Perimeter

Unit Test, Form B (page 2 of 2)

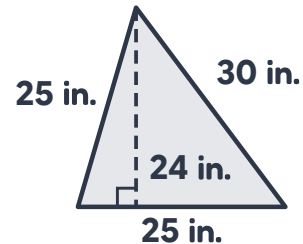
7. Find the area of the parallelogram.



$$A = \underline{288} \text{ sq ft}$$

Lesson 13.4 · Parallelograms and triangles

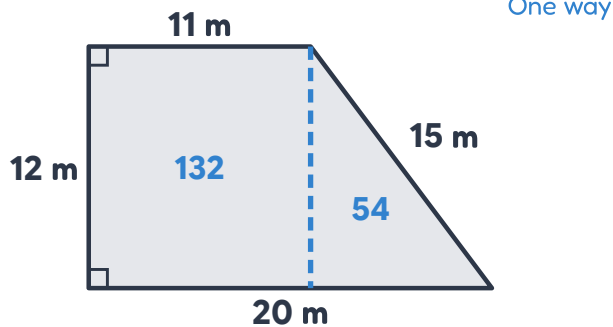
8. Find the area of the triangle.



$$A = \underline{300} \text{ sq in.}$$

Lesson 13.4 · Parallelograms and triangles

9. Split the trapezoid into a rectangle and a triangle. Find its area.



$$A = \underline{186} \text{ sq m}$$

Lesson 13.5 · Trapezoids and stories

10. Read the story. Write each answer with its units.

A stage is a parallelogram with a base of 18 ft, a slanted side of 7 ft and a height of 5 ft. How much trim goes around its edge? How much floor does it cover?

Trim: 50 feet

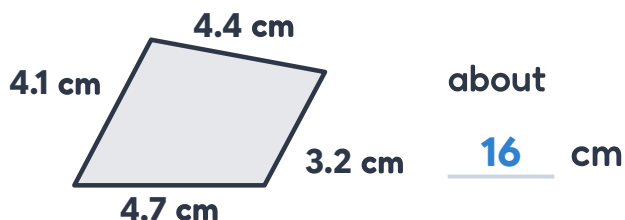
or ft

Floor: 90 square feet

or sq ft

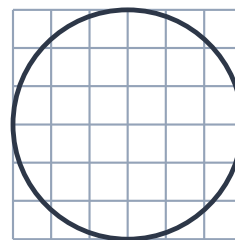
Lesson 13.5 · Trapezoids and stories

11. Round each side to the nearest centimeter. Estimate the perimeter.



Lesson 13.6 · Estimate perimeters

12. Estimate the perimeter. Circle the best estimate.



Each square is 1 cm long.

12 cm

19 cm

24 cm

Lesson 13.6 · Estimate perimeters