

10-1 Standardized Test Prep

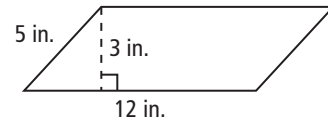
Areas of Parallelograms and Triangles

Multiple Choice

For Exercises 1–6, choose the correct letter.

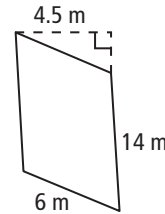
1. What is the area of the parallelogram at the right?

- Ⓐ 18 in.² Ⓒ 36 in.²
 Ⓑ 30 in.² Ⓓ 60 in.²



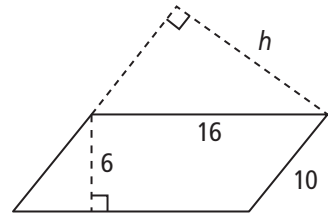
2. What is the area of the parallelogram at the right?

- Ⓕ 31.5 m² Ⓗ 84 m²
 Ⓖ 63 m² Ⓘ 126 m²



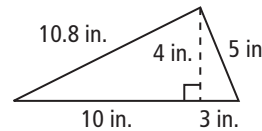
3. What is the value of h for the parallelogram at the right?

- Ⓐ 9.6 units Ⓒ 48 units
 Ⓑ 26.7 units Ⓓ 96 units



4. What is the area of the figure at the right?

- Ⓕ 26 in.² Ⓗ 52 in.²
 Ⓖ 27 in.² Ⓘ 54 in.²

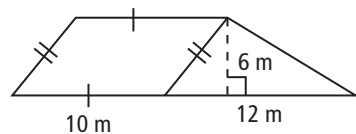


5. A parallelogram has sides 8 ft and 6 ft and an area of 54 ft². What is the length of the altitude to the 8-ft base?

- Ⓐ 6.75 ft Ⓑ 9 ft Ⓒ 24 ft Ⓓ 27 ft

6. What is the area of the figure at the right?

- Ⓕ 36 m² Ⓗ 72 m²
 Ⓖ 60 m² Ⓘ 96 m²



Short Response

7. In a triangle, a base and a corresponding height are in the ratio 5 : 2. The area is 80 ft². What is the base and the corresponding height? Show your work.