

Set 10-5 (pages 554–557)

Find each elapsed time.

1. 4:17 A.M. to 8:05 A.M. 2. 11:20 A.M. to 3:15 P.M. 3. 7:45 P.M. to 1:06 A.M.
3 h 48 min **3 h 55 min** **5 h 21 min**

Find each start time or ending time using the given elapsed time.

4. End Time: 2:07 P.M. 5. Start Time: 9:50 P.M. 6. End Time: 10:18 A.M.
 Elapsed Time: 2 h 26 min Elapsed Time: 6 h 32 min Elapsed Time: 8 h 40 min
11:41 A.M. **4:22 A.M.** **1:38 A.M.**

7. Shawn finished the marathon race in 4 hours 21 minutes 45 seconds. Brent finished the race in 4 hours 30 minutes 57 seconds. How much longer did it take Brent to finish the race? **9 min 12 s**

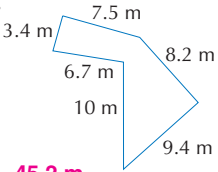
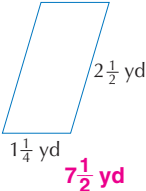
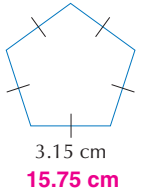
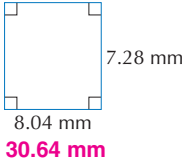
Set 10-6 (pages 560–561)

Use logical reasoning to solve each problem.

1. Alejandro's flight left Boston at 12 noon and arrived in Denver at 2:20 P.M. local time. Use a time zone map to find how long the flight took.
4 h 20 min
2. Allen practiced piano for 1 hour 25 minutes. Carolyn practiced from 11:15 A.M. to 12:30 P.M. John practiced longer than Allen. Shaneeka practiced less time than Carolyn did. Who practiced piano the longest?
John

Set 10-7 (pages 564–567)

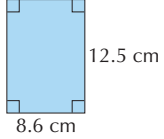
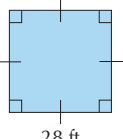
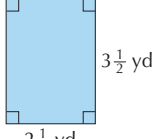
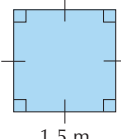
Find the perimeter of each figure.

1.  **45.2 m**
2.  **7 1/2 yd**
3.  **15.75 cm**
4.  **30.64 mm**

5. A square has a perimeter of 16.8 inches. Find the length of each side.
4.2 in.
6. A regular dodecagon has a perimeter of 116.4 m. Find the length of each side.
9.7 m

Set 10-8 (pages 568–569)

Find the area of each figure.

1.  **107.5 cm²**
2.  **784 ft²**
3.  **8.75 yd²**
4.  **2.25 m²**

5. A rectangle with a length of 16 cm has an area of 432 cm². Find its width.
w = 27 cm
6. A soccer field has an area of 8,800 yd² and is 80 yd wide. Find its length.
110 yd