

Arithmetic — Word problems

Name: _____

Date: _____

Read each problem. Write the answer.

- 1 A reel of wire is cut into 2 equal lengths, and a piece 8 centimeters long is joined onto each one. Each length now measures 21 centimeters.

How long was the reel? $x \div 2 + 8 = 21$, so $x \div 2 = 13$ and $x = 26$ centimeters

- 2 A print shop charges \$10 a T-shirt and takes \$45 off for members. One member paid \$65.

How many T-shirts were printed? ____

- 3 A pool charges \$13 to join and \$12 a swim. One swimmer has paid \$85.

How many swims was that? ____

- 4 Tickets cost \$7 each, and a group voucher takes \$38 off the total. The group paid \$74.

How many tickets did the group buy? ____



Word problems — Answer key

1. $x \div 2 + 8 = 21$, so $x \div 2 = 13$ and $x = 26$ centimeters

2. $10x - 45 = 65$, so $10x = 110$ and $x = 11$ T-shirts

3. $12x + 13 = 85$, so $12x = 72$ and $x = 6$ swims

4. $7x - 38 = 74$, so $7x = 112$ and $x = 16$ tickets