

Balance Scales

Practice — ANSWER KEY

More than one bag on a pan.

Think: Two equal bags together weigh double one bag. Undo the extra weight first.

1. How heavy is the bag? Find X so the scale balances.

1)

$$X + X + X + 4$$

=

$$25$$

$$X = 7$$

2)

$$X + X + 7$$

=

$$13$$

$$X = 3$$

3)

$$X$$

=

$$3$$

$$X = 3$$

4)

$$X + 5$$

=

$$10$$

$$X = 5$$

5)

$$X + X + X + 1$$

=

$$28$$

$$X = 9$$

6)

$$X + X$$

=

$$10$$

$$X = 5$$