

Balance Scales

Practice

More than one bag on a pan.

Name: _____

Date: _____

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)

$$\boxed{X + 6}$$

=

$$\boxed{15}$$

X = _____

2)

$$\boxed{X + X + 3}$$

=

$$\boxed{19}$$

X = _____

3)

$$\boxed{X + 7}$$

=

$$\boxed{15}$$

X = _____

4)

$$\boxed{X + X + X + 1}$$

=

$$\boxed{34}$$

X = _____

5)

$$\boxed{X + 2}$$

=

$$\boxed{11}$$

X = _____

6)

$$\boxed{X + X + 1}$$

=

$$\boxed{15}$$

X = _____