Discounts

Approach: Independent   *Level:* Year 8 only

Resources: None

Questions/instructions	*% responses* *year 8*
A shop is selling things at bargain prices. Write down how much is taken off the old price. Then write down the new bargain price.	

Example: 10% off

$2 — Savings: *20¢*

New Price *$1.80*

1. 10% off

$5 — Savings: 50¢   → 57

New Price   correct, given above   → 85

2. 10% off

$2.50 — Savings: 25¢   → 48

New Price   correct, given above   → 83

3. 50% off

$25 — Savings: $12.50   → 58

New Price   correct, given above   → 74

4. 50% off

$199 — Savings: $99.50   → 34

New Price   correct, given above   → 50

5. 25% off

$399 — Savings: $99.75   → 13

New Price   correct, given above   → 37

6. 12.5% off

$40 — Savings: $5.00   → 18

New Price   correct, given above   → 40

Commentary

Year 8 students struggled to calculate the value of discounts, averaging just 38 percent correct. They were more successful at subtracting their calculated discount from the list price, averaging 62 percent correct.