



1.8 Percentages

Student name: _____ Score: _____

1. A manufacturer made a profit of 60% when he sold a chair for \$20.
Find the cost of making the chair.

Answer \$ [3]

2. The price of a book was \$7.00 .
It is reduced by 20%.

Find the new price of the book.

Answer \$ [2]

3. There are 400 students at a school.

$\frac{2}{5}$ of the students are boys.

70% of the girls can swim.

The ratio of boys that **cannot** swim to girls that **cannot** swim is 2 : 3.

Complete the table.

	Boys	Girls	Total
Can swim			
Cannot swim			
Total			400

[4]

4. Increase 1 h 30 min by 10%.

..... h min [2]

5. Calculate 75% of \$2.40.

Answer(b) \$ [2]

6. (a) Write 250 grams as a percentage of 2 kilograms.

Answer(a) % [2]

- (b) Manuel scores 46 in a test.
This is 15% more than his previous test score.

Calculate Manuel's previous test score.

Answer(b) [3]

7. Tiago buys a concert ticket and then sells it for \$15.
He makes a profit of 20%.

Calculate how much Tiago paid for the ticket.

Answer \$ [3]

8. The price of a computer is reduced by 5%.
The actual reduction is \$17.

Find the original price of the computer.

Answer \$ [2]

9. In a sale, the price of all furniture is reduced by 30%.

- (a) Before the sale the price of a chair was \$40.

Find the price of this chair in the sale.

\$ [2]

- (b) In the sale, the price of a table is \$140.

Find the price of this table **before** the sale.

\$ [3]

10. When Jack sells a computer for \$264 he makes a profit of 20%.

Work out the price Jack paid for the computer.

\$ [2]

11. Work out 15% of 600.

..... [2]

12. A shop has a sale and all prices are reduced by 20%.

- (a) The original price of a shirt is \$16.

Find the sale price of the shirt.

\$ [2]

- (b) The sale price of a dress is \$40.

Find the original price of the dress.

\$ [2]

