

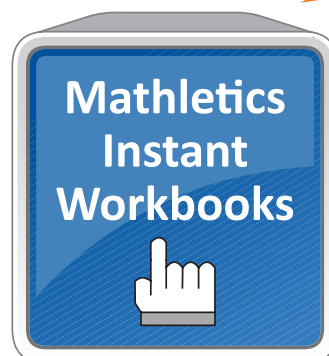
# MATHLETICS

*Inspiring Better Results*

## Percentages and The Calculator

Student Book - Series H-1

3.4% of 2560 = \_\_\_\_\_



# Percentages and the calculator

## Student Book - Series H

### Contents

#### Topics

#### Date completed

Topic 1 - Changing percentages to fractions

\_\_/\_\_/\_\_

Topic 2 - Changing fractions to percentages

\_\_/\_\_/\_\_

Topic 3 - Changing percentages to decimals

\_\_/\_\_/\_\_

Topic 4 - Changing decimals to percentages

\_\_/\_\_/\_\_

Topic 5 - Finding the percentage of a quantity

\_\_/\_\_/\_\_

Topic 6 - Expressing quantities as percentages

\_\_/\_\_/\_\_

Topic 7 - Problem solving and percentages

\_\_/\_\_/\_\_

#### Practice Tests

Topic 1 - Topic test A

\_\_/\_\_/\_\_

Topic 2 - Topic test B

\_\_/\_\_/\_\_

Author of The Topics and Topic Tests: AS Kalra

# Percentages and the calculator

## Topic 1: Changing percentages to fractions

**QUESTION 1** Express the following percentages as fractions in simplest form.

- |   |              |   |              |   |              |
|---|--------------|---|--------------|---|--------------|
| a | 30 % = _____ | b | 20 % = _____ | c | 50 % = _____ |
| d | 70 % = _____ | e | 60 % = _____ | f | 80 % = _____ |
| g | 90 % = _____ | h | 10 % = _____ | i | 5 % = _____  |
| j | 65 % = _____ | k | 23 % = _____ | l | 95 % = _____ |

**QUESTION 2** Use your calculator to convert the following percentages to fractions in simplest form.

- |   |                |   |                 |   |                |
|---|----------------|---|-----------------|---|----------------|
| a | 3.5 % = _____  | b | 15.6 % = _____  | c | 5.5 % = _____  |
| d | 8.6 % = _____  | e | 62.8 % = _____  | f | 28.5 % = _____ |
| g | 4.3 % = _____  | h | 93.15 % = _____ | i | 63.6 % = _____ |
| j | 9.63 % = _____ | k | 63.7 % = _____  | l | 0.5 % = _____  |

**QUESTION 3** Use your calculator to change the following percentages to fractions in simplest form.

- |   |                |   |                 |   |                |
|---|----------------|---|-----------------|---|----------------|
| a | 8.53 % = _____ | b | 25.63 % = _____ | c | 62.4 % = _____ |
| d | 6.25 % = _____ | e | 63.9 % = _____  | f | 75.6 % = _____ |
| g | 9.2 % = _____  | h | 85.7 % = _____  | i | 83.4 % = _____ |
| j | 12.8 % = _____ | k | 92.85 % = _____ | l | 98.5 % = _____ |

**QUESTION 4** Convert the following to fractions in simplest form.

- |   |              |   |              |   |              |
|---|--------------|---|--------------|---|--------------|
| a | 63 % = _____ | b | 96 % = _____ | c | 64 % = _____ |
| d | 56 % = _____ | e | 38 % = _____ | f | 58 % = _____ |
| g | 45 % = _____ | h | 48 % = _____ | i | 42 % = _____ |
| j | 76 % = _____ | k | 92 % = _____ | l | 32 % = _____ |

**QUESTION 5** Change the following percentages to fractions in simplest form..

- |   |                           |   |                           |   |                           |
|---|---------------------------|---|---------------------------|---|---------------------------|
| a | $\frac{1}{2}$ % = _____   | b | $\frac{1}{5}$ % = _____   | c | $\frac{1}{4}$ % = _____   |
| d | $6\frac{1}{2}$ % = _____  | e | $25\frac{1}{4}$ % = _____ | f | $20\frac{1}{4}$ % = _____ |
| g | $12\frac{1}{2}$ % = _____ | h | $10\frac{1}{2}$ % = _____ | i | $45\frac{1}{2}$ % = _____ |

# Percentages and the calculator

## Topic 2: Changing fractions to percentages

**QUESTION 1** Change the following fractions to percentages.

a	$\frac{50}{100} =$ _____	b	$\frac{48}{100} =$ _____	c	$\frac{60}{100} =$ _____
d	$\frac{30}{100} =$ _____	e	$\frac{36}{100} =$ _____	f	$\frac{75}{100} =$ _____
g	$\frac{85}{100} =$ _____	h	$\frac{45}{100} =$ _____	i	$\frac{90}{100} =$ _____
j	$\frac{25}{100} =$ _____	k	$\frac{39}{100} =$ _____	l	$\frac{84}{100} =$ _____

**QUESTION 2** Use your calculator to change the following fractions to percentages.

a	$\frac{1}{2} =$ _____	b	$\frac{8}{20} =$ _____	c	$\frac{9}{40} =$ _____
d	$\frac{18}{10} =$ _____	e	$\frac{6}{50} =$ _____	f	$\frac{7}{60} =$ _____
g	$\frac{9}{10} =$ _____	h	$\frac{8}{25} =$ _____	i	$\frac{9}{80} =$ _____
j	$\frac{2}{5} =$ _____	k	$\frac{3}{75} =$ _____	l	$\frac{3}{50} =$ _____

**QUESTION 3** Change the following fractions to percentages.

a	$\frac{1}{4} =$ _____	b	$\frac{15}{80} =$ _____	c	$\frac{11}{20} =$ _____
d	$\frac{9}{60} =$ _____	e	$\frac{3}{8} =$ _____	f	$\frac{3}{40} =$ _____
g	$\frac{7}{60} =$ _____	h	$\frac{4}{5} =$ _____	i	$\frac{18}{70} =$ _____

**QUESTION 4** Express the following as percentages.

a	$\frac{5}{8} =$ _____	b	$\frac{1}{5} =$ _____	c	$\frac{5}{12} =$ _____
d	$\frac{7}{12} =$ _____	e	$\frac{7}{8} =$ _____	f	$\frac{2}{3} =$ _____
g	$\frac{3}{5} =$ _____	h	$\frac{1}{2} =$ _____	i	$\frac{6}{7} =$ _____

# Percentages and the calculator

## Topic 3: Changing percentages to decimals

**QUESTION 1** Express the following percentages as decimals.

- |   |             |   |             |   |             |
|---|-------------|---|-------------|---|-------------|
| a | 20% = _____ | b | 30% = _____ | c | 40% = _____ |
| d | 60% = _____ | e | 10% = _____ | f | 50% = _____ |
| g | 25% = _____ | h | 35% = _____ | i | 15% = _____ |
| j | 70% = _____ | k | 80% = _____ | l | 90% = _____ |

**QUESTION 2** Change the following percentages to decimals.

- |   |             |   |             |   |             |
|---|-------------|---|-------------|---|-------------|
| a | 15% = _____ | b | 29% = _____ | c | 92% = _____ |
| d | 18% = _____ | e | 83% = _____ | f | 38% = _____ |
| g | 37% = _____ | h | 26% = _____ | i | 67% = _____ |
| j | 72% = _____ | k | 81% = _____ | l | 48% = _____ |

**QUESTION 3** Convert the following percentages to decimals.

- |   |               |   |               |   |              |
|---|---------------|---|---------------|---|--------------|
| a | 3% = _____    | b | 2% = _____    | c | 7% = _____   |
| d | 5% = _____    | e | 8% = _____    | f | 9% = _____   |
| g | 1.3% = _____  | h | 5.2% = _____  | i | 8.9% = _____ |
| j | 2.65% = _____ | k | 10.8% = _____ | l | 9.4% = _____ |

**QUESTION 4** Change the following percentages to decimals.

- |   |               |   |               |   |                |
|---|---------------|---|---------------|---|----------------|
| a | 48.3% = _____ | b | 63.7% = _____ | c | 10.35% = _____ |
| d | 92.7% = _____ | e | 53.6% = _____ | f | 25.63% = _____ |
| g | 61.5% = _____ | h | 69.9% = _____ | i | 32.85% = _____ |
| j | 32.8% = _____ | k | 42.8% = _____ | l | 49.6% = _____  |

**QUESTION 5** Express the following percentages as decimals.

- |   |                           |   |                           |   |                           |
|---|---------------------------|---|---------------------------|---|---------------------------|
| a | $25\frac{1}{4}\%$ = _____ | b | $\frac{5}{4}\%$ = _____   | c | $4\frac{1}{2}\%$ = _____  |
| d | $12\frac{1}{2}\%$ = _____ | e | $20\frac{2}{5}\%$ = _____ | f | $3\frac{1}{4}\%$ = _____  |
| g | $33\frac{1}{3}\%$ = _____ | h | $\frac{4}{5}\%$ = _____   | i | $5\frac{5}{6}\%$ = _____  |
| j | $2\frac{1}{2}\%$ = _____  | k | $66\frac{2}{3}\%$ = _____ | l | $8\frac{1}{4}\%$ = _____  |
| m | $3\frac{3}{4}\%$ = _____  | n | $\frac{3}{8}\%$ = _____   | o | $9\frac{3}{4}\%$ = _____  |
| p | $9\frac{1}{4}\%$ = _____  | q | $\frac{5}{9}\%$ = _____   | r | $16\frac{1}{2}\%$ = _____ |

# Percentages and the calculator

## Topic 4: Changing decimals to percentages

**QUESTION 1** Express the following decimals as percentages.

- |          |              |          |              |          |              |
|----------|--------------|----------|--------------|----------|--------------|
| <b>a</b> | 0.12 = _____ | <b>b</b> | 0.34 = _____ | <b>c</b> | 0.65 = _____ |
| <b>d</b> | 0.93 = _____ | <b>e</b> | 0.18 = _____ | <b>f</b> | 0.83 = _____ |
| <b>g</b> | 0.42 = _____ | <b>h</b> | 0.65 = _____ | <b>i</b> | 0.19 = _____ |
| <b>j</b> | 0.68 = _____ | <b>k</b> | 0.75 = _____ | <b>l</b> | 0.87 = _____ |

**QUESTION 2** Express the following decimals as percentages.

- |          |              |          |              |          |              |
|----------|--------------|----------|--------------|----------|--------------|
| <b>a</b> | 0.70 = _____ | <b>b</b> | 0.05 = _____ | <b>c</b> | 0.3 = _____  |
| <b>d</b> | 0.36 = _____ | <b>e</b> | 0.09 = _____ | <b>f</b> | 0.7 = _____  |
| <b>g</b> | 0.40 = _____ | <b>h</b> | 0.60 = _____ | <b>i</b> | 0.05 = _____ |
| <b>j</b> | 0.01 = _____ | <b>k</b> | 0.85 = _____ | <b>l</b> | 0.04 = _____ |

**QUESTION 3** Express the following decimals as percentages.

- |          |               |          |               |          |               |
|----------|---------------|----------|---------------|----------|---------------|
| <b>a</b> | 0.03 = _____  | <b>b</b> | 0.932 = _____ | <b>c</b> | 0.007 = _____ |
| <b>d</b> | 0.05 = _____  | <b>e</b> | 0.365 = _____ | <b>f</b> | 0.009 = _____ |
| <b>g</b> | 0.256 = _____ | <b>h</b> | 0.839 = _____ | <b>i</b> | 0.031 = _____ |
| <b>j</b> | 0.381 = _____ | <b>k</b> | 0.425 = _____ | <b>l</b> | 0.045 = _____ |

**QUESTION 4** Change the following decimals to percentages.

- |          |               |          |               |          |               |
|----------|---------------|----------|---------------|----------|---------------|
| <b>a</b> | 0.062 = _____ | <b>b</b> | 0.861 = _____ | <b>c</b> | 0.121 = _____ |
| <b>d</b> | 0.138 = _____ | <b>e</b> | 0.945 = _____ | <b>f</b> | 0.234 = _____ |
| <b>g</b> | 0.342 = _____ | <b>h</b> | 0.632 = _____ | <b>i</b> | 0.569 = _____ |
| <b>j</b> | 0.935 = _____ | <b>k</b> | 0.969 = _____ | <b>l</b> | 0.814 = _____ |

**QUESTION 5** Convert the following decimals to percentages.

- |          |             |          |             |          |              |
|----------|-------------|----------|-------------|----------|--------------|
| <b>a</b> | 0.123 _____ | <b>b</b> | 0.066 _____ | <b>c</b> | 0.163 _____  |
| <b>d</b> | 0.328 _____ | <b>e</b> | 0.913 _____ | <b>f</b> | 0.523 _____  |
| <b>g</b> | 0.935 _____ | <b>h</b> | 0.682 _____ | <b>i</b> | 0.861 _____  |
| <b>j</b> | 0.289 _____ | <b>k</b> | 0.949 _____ | <b>l</b> | 0.9363 _____ |

**QUESTION 6** Use a calculator to change the following decimals to percentages.

- |          |            |          |            |          |             |
|----------|------------|----------|------------|----------|-------------|
| <b>a</b> | 1.45 _____ | <b>b</b> | 2.50 _____ | <b>c</b> | 3.68 _____  |
| <b>d</b> | 2.36 _____ | <b>e</b> | 3.31 _____ | <b>f</b> | 5.83 _____  |
| <b>g</b> | 9.85 _____ | <b>h</b> | 4.45 _____ | <b>i</b> | 8.92 _____  |
| <b>j</b> | 3.65 _____ | <b>k</b> | 6.34 _____ | <b>l</b> | 3.26 _____  |
| <b>m</b> | 5.39 _____ | <b>n</b> | 9.03 _____ | <b>o</b> | 7.56 _____  |
| <b>p</b> | 2.34 _____ | <b>q</b> | 8.06 _____ | <b>r</b> | 8.814 _____ |

# Percentages and the calculator

## Topic 5: Finding the percentage of a quantity

**QUESTION 1** Evaluate the following.

a  $5\%$  of 60 = \_\_\_\_\_

c  $20\%$  of 400 = \_\_\_\_\_

e  $35\%$  of 5000 = \_\_\_\_\_

g  $40\%$  of 680 = \_\_\_\_\_

i  $60\%$  of 720 = \_\_\_\_\_

k  $70\%$  of 350 = \_\_\_\_\_

b  $10\%$  of 200 = \_\_\_\_\_

d  $30\%$  of 900 = \_\_\_\_\_

f  $80\%$  of 640 = \_\_\_\_\_

h  $50\%$  of 12 000 = \_\_\_\_\_

j  $45\%$  of 8000 = \_\_\_\_\_

l  $65\%$  of 1600 = \_\_\_\_\_

**QUESTION 2** Work out the following.

a  $75\%$  of 248 = \_\_\_\_\_

c  $1\%$  of 96 = \_\_\_\_\_

e  $2.5\%$  of 84 = \_\_\_\_\_

g  $8.9\%$  of 43 = \_\_\_\_\_

i  $5.3\%$  of 65 = \_\_\_\_\_

k  $62.5\%$  of 1280 = \_\_\_\_\_

b  $85\%$  of 369 = \_\_\_\_\_

d  $6.5\%$  of 304 = \_\_\_\_\_

f  $3.4\%$  of 640 = \_\_\_\_\_

h  $55.8\%$  of 684 = \_\_\_\_\_

j  $72.5\%$  of 963 = \_\_\_\_\_

l  $38.5\%$  of 560 = \_\_\_\_\_

**QUESTION 3** Calculate the following.

a  $12.5\%$  of 64 = \_\_\_\_\_

c  $37.5\%$  of 240 = \_\_\_\_\_

e  $33\frac{1}{3}\%$  of 669 = \_\_\_\_\_

g  $4.5\%$  of 950 = \_\_\_\_\_

i  $3.4\%$  of 2560 = \_\_\_\_\_

k  $9.5\%$  of 990 = \_\_\_\_\_

b  $85.5\%$  of 120 = \_\_\_\_\_

d  $92.25\%$  of 1120 = \_\_\_\_\_

f  $6.5\%$  of 1440 = \_\_\_\_\_

h  $9\%$  of 860 = \_\_\_\_\_

j  $23.8\%$  of 600 = \_\_\_\_\_

l  $10.3\%$  of 750 = \_\_\_\_\_

**QUESTION 4** Evaluate the following.

a  $15\%$  of 700 = \_\_\_\_\_

c  $12\%$  of 96 = \_\_\_\_\_

e  $8\frac{1}{2}\%$  of 960 = \_\_\_\_\_

g  $16\%$  of \$360 = \_\_\_\_\_

i  $60\%$  of \$8 = \_\_\_\_\_

k  $25\%$  of 960 = \_\_\_\_\_

m  $120\%$  of \$120 = \_\_\_\_\_

o  $110\%$  of 230 = \_\_\_\_\_

b  $62\%$  of \$850 = \_\_\_\_\_

d  $15.5\%$  of 365 days = \_\_\_\_\_

f  $3.5\%$  of \$90 = \_\_\_\_\_

h  $40\%$  of 10 kg = \_\_\_\_\_

j  $300\%$  of 60 = \_\_\_\_\_

l  $5\%$  of \$2400 = \_\_\_\_\_

n  $90\%$  of 250 = \_\_\_\_\_

p  $200\%$  of \$350 = \_\_\_\_\_

# Percentages and the calculator

## Topic 6: Expressing quantities as percentages

### QUESTION 1

- a Express 10 as a percentage of 500. \_\_\_\_\_
- b Express 12 as a percentage of 90. \_\_\_\_\_
- c Express 64 as a percentage of 256. \_\_\_\_\_
- d What percentage is 80 of \$224? \_\_\_\_\_
- e What percentage is 36 of 98? \_\_\_\_\_

### QUESTION 2 What percentage is:

- |                     |                         |
|---------------------|-------------------------|
| a 30 of 90? _____   | b 50 of 250? _____      |
| c 21 of 70? _____   | d 4 of 60? _____        |
| e 28 of 112? _____  | f 7 of 49? _____        |
| g 25 of 300? _____  | h 81 of 180? _____      |
| i 120 of 480? _____ | j 20¢ of \$2? _____     |
| k 40¢ of \$8? _____ | l 24 cm of 1.2 m? _____ |

### QUESTION 3 In the following what percentage is the first quantity of the second?

- |                       |                         |
|-----------------------|-------------------------|
| a 3 m, 9 m _____      | b 8 kg, 48 kg _____     |
| c 6 s, 60 s _____     | d 5 L, 300 L _____      |
| e 25 mL, 150 mL _____ | f 100 g, 800 g _____    |
| g 60 m, 240 m _____   | h 40 min, 240 min _____ |
| i 36 s, 4 min _____   | j 60 cm, 6 m _____      |
| k 12 h, 6 days _____  | l \$3, 600¢ _____       |

### QUESTION 4 What percentage is:

- |                          |                                     |
|--------------------------|-------------------------------------|
| a 50¢ of \$8? _____      | b \$2.50 of \$20? _____             |
| c 24 min of 4 h? _____   | d 250 mL of 3 L? _____              |
| e 80¢ of \$5? _____      | f \$4.50 of \$13.50? _____          |
| g 12 mm of 120 cm? _____ | h \$5 of \$25? _____                |
| i 45 cm of 72 cm? _____  | j \$7.50 of \$60? _____             |
| k 500 g of 7 kg? _____   | l \$20 of \$120? _____              |
| m 30¢ of \$3? _____      | n 65 min of $4\frac{1}{3}$ h? _____ |
| o 60 mL of 2.4 L? _____  | p 20 cm of 4.8 m? _____             |
| q 2 h of 16 h? _____     | r 5 L of 60 L? _____                |



# Percentages and the calculator

---

## Topic 7: Problem solving and percentages

**1** The price of a camera is \$800. The discount is 20%. What is the discount?

---

**2** Out of 1200 students, 60% swim. How many swim?

---

**3** Out of 250 students 20% went to the camp. How many went to the camp?

---

**4** Annabel obtained 90 out 120 marks. What percentage was this?

---

**5** Increase \$100 by 20% and then decrease this result by 20%.

---

**6** If 64% of students are present, what percentage is absent?

---

**7** If 85% of a class went to a school play, what percentage did not go?

---

**8** In a class of 30 students, 20% are absent. How many are present?

---

**9** What is 15% of \$1200?

---

**10** Out of 60 students  $33\frac{1}{3}$  % are sick. How many are not sick?

---

**11** Add 10% of \$68 to 25% of \$300.

---

**12** 42 out of 70 students play tennis. What percentage play tennis?

---

**13** Find 12% of 5 kg, giving the answer in grams.

---

**14** What percentage is 80 of 896?

---

**15** Express 12 grams as a percentage of 216 grams?

---

# Percentages and the calculator

## Unit Test

## PART A

**Instructions** This part consists of 12 multiple-choice questions  
Each question is worth 1 mark  
Fill in only ONE CIRCLE for each question  
Calculators are NOT allowed

**Time allowed: 15 minutes**

**Total marks = 12**

**Marks**

- |           |  |   |  |   |   |                                |
|-----------|--|---|--|---|---|--------------------------------|
| <b>1</b>  | As a decimal $5\frac{1}{2}$ % equals   | <input type="radio"/> (A) 0.52              | <input type="radio"/> (B) 0.55         | <input type="radio"/> (C) 0.052         | <input type="radio"/> (D) 0.055           | <input type="text" value="1"/> |
| <b>2</b>  | An item was bought for \$40 and sold for \$60. Find the percentage profit on the cost price. | <input type="radio"/> (A) 30%               | <input type="radio"/> (B) 40%          | <input type="radio"/> (C) 50%           | <input type="radio"/> (D) 60%             | <input type="text" value="1"/> |
| <b>3</b>  | 12 marks out of 48 is what as a percentage?  | <input type="radio"/> (A) 20%               | <input type="radio"/> (B) 24%          | <input type="radio"/> (C) 25%           | <input type="radio"/> (D) 30%             | <input type="text" value="1"/> |
| <b>4</b>  | What percentage is \$6 of \$40?  | <input type="radio"/> (A) 10%               | <input type="radio"/> (B) 12%          | <input type="radio"/> (C) 15%           | <input type="radio"/> (D) 18%             | <input type="text" value="1"/> |
| <b>5</b>  | Express 9% as a decimal.   | <input type="radio"/> (A) 9.0               | <input type="radio"/> (B) 0.9          | <input type="radio"/> (C) 0.09          | <input type="radio"/> (D) none of these   | <input type="text" value="1"/> |
| <b>6</b>  | Find 40% of 120km.   | <input type="radio"/> (A) 3km               | <input type="radio"/> (B) 4.8km        | <input type="radio"/> (C) 30km          | <input type="radio"/> (D) 48km            | <input type="text" value="1"/> |
| <b>7</b>  | Increase \$450 by 20%  | <input type="radio"/> (A) \$90              | <input type="radio"/> (B) \$470        | <input type="radio"/> (C) \$540         | <input type="radio"/> (D) none of these   | <input type="text" value="1"/> |
| <b>8</b>  | $\frac{9}{20}$ equals  | <input type="radio"/> (A) 9%                | <input type="radio"/> (B) 18%          | <input type="radio"/> (C) 45%           | <input type="radio"/> (D) 90%             | <input type="text" value="1"/> |
| <b>9</b>  | Which of the following marks is better than 50%?   | <input type="radio"/> (A) 9 out of 25       | <input type="radio"/> (B) 40 out of 60 | <input type="radio"/> (C) 30 out of 200 | <input type="radio"/> (D) 58 out of 120   | <input type="text" value="1"/> |
| <b>10</b> | A toy was reduced in price from \$60 to \$48. What is the percentage discount?               | <input type="radio"/> (A) 5%                | <input type="radio"/> (B) 10%          | <input type="radio"/> (C) 15%           | <input type="radio"/> (D) 20%             | <input type="text" value="1"/> |
| <b>11</b> | 15% of 1.5 tonnes equals   | <input type="radio"/> (A) 22.5kg            | <input type="radio"/> (B) 100kg        | <input type="radio"/> (C) 225kg         | <input type="radio"/> (D) 1000kg          | <input type="text" value="1"/> |
| <b>12</b> | $\frac{1}{3}$ expressed as a percentage is   | <input type="radio"/> (A) $33\frac{1}{3}$ % | <input type="radio"/> (B) 3%           | <input type="radio"/> (C) 30%           | <input type="radio"/> (D) $\frac{1}{3}$ % | <input type="text" value="1"/> |

**Total marks achieved for PART A**

**12**

# Percentages and the calculator

## Unit Test

## PART B

**Instructions** This part consists of 15 questions  
Each question is worth 1 mark  
Write answers in the answers-only column

**Time allowed: 20 minutes**

**Total marks = 15**

Questions	Answers only	Marks
1 Express 800% as a fraction	_____	1
2 Find $33\frac{1}{3}\%$ of \$900	_____	1
3 Write $\frac{5}{12}$ as a percentage correct to 2 decimal places	_____	1
4 Express 35 as a percentage of 280.	_____	1
5 Find 60% of \$5630 and increase this amount by 10%	_____	1
6 Write $\frac{4}{5}$ as a percentage	_____	1
7 Write 0.86 as a percentage.	_____	1
8 Increase \$100 by 10% and then decrease the result by 1	_____	1
9 Change 88% to a fraction.	_____	1
10 What percentage is 9 of 45?	_____	1
11 A pen was bought for \$95 and sold for \$125. What is the percentage gain?	_____	1
12 Find 5% of 3500 m.	_____	1
13 What percentage is 24 seconds of 2 minutes?	_____	1
14 The price of a new car is \$3500 and after 1 year it decreases by 20%. Find the value now.	_____	1
15 What would John pay for a CD player that sells for \$550 is discounted by 15%?	_____	1

**Total marks achieved for PART B**

15