

SMART EXAM RESOURCES
TOPIC : NUMBERS
SUB-TOPIC:PERCENTAGE-BASIC WORD PROBLEM
SET-1-QP-MS

- 1** A concert hall has 1540 seats.
Calculate the number of people in the hall when 55% of the seats are occupied.

Answer [1]

MARK SCHEME:

847	1
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2

The taxi fare in a city is \$3 **and** then \$0.40 for every kilometre travelled.

(a) A taxi fare is \$9.

How far has the taxi travelled?

Answer(a) km [2]

(b) Taxi fares cost 30% more at night.

How much does a \$9 daytime journey cost at night?

Answer(b) \$ [2]

MARK SCHEME:

(a)	71	2	M1 for $7 \times 8 - 3 \times -5$ or B1 56 and -15
(b)	$3v(u + 3w)$ final answer	2	B1 for $3(uv + 3vw)$ or $v(3u + 9w)$ As final answer

3

From a sample of 80 batteries, 3 are faulty.

Work out the percentage of faulty batteries.

..... % [1]

MARK SCHEME:

3.75 or $3\frac{3}{4}$	1
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4

Increase \$22 by 15%.

\$..... [2]

MARK SCHEME:

25.3[0]	2	M1 for $22 \times \frac{15}{100}$ oe or better
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5

Work out \$1.20 as a percentage of \$16.

.....% [1]

MARK SCHEME:

7.5 oe	1
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..... cm [2]

6

Maria decides to increase her homework time of 8 hours per week by 15%.

Calculate her new homework time.
Give your answer in hours and minutes.

Answer h min [3]

MARK SCHEME:

9 h 12 min	3	M1 for 8×1.15 A1 for 9.2 B1 ft independent for their 9.2 correctly converted into hours and minutes
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