SMART EXAM RESOURCES
TOPIC : NUMBERS
TIME SET-2-QP-MS

1 A bus leaves Afford at 07 55.
It travels 15 km to Beetown at a speed of 50 km/h.

Find the time the bus arrives in Beetown.

Answer ..... [3]

MARK SCHEME:

	08 13 oe	**3**	**M1** for distance/speed seen (implied by 0.3) **A1** for 18 minutes **[3]**

2 Alex drives 40 km to work at a speed of 50 km/h.
He leaves home at 07 45.

Find the time he arrives at work.

..... [3]

MARK SCHEME:

	[0]8 33	**3**	**M2** for $\frac{40}{50} \times 60$ oe or **M1** for $\frac{40}{50}$ soi

3 Sacha drove 425 km from home at an average speed of 100 km/h.

(a) Calculate the time for the journey giving your answer in hours and minutes.

..... h ..... min [2]

(b) The return journey took 3 hours and 55 minutes.
She started at 21 56.

At what time did she arrive home?

..... [2]

MARK SCHEME:

(a)	4 [h] 15 [min]	**2**	**M1** for 425 ÷ 100 soi by 4.25 oe
(b)	[0]1 51 oe	**2**	**B1** for 25 51

4 Kurt has two timers.
One is set to ring every 175 minutes.
The other is set to ring every 70 minutes.

Both timers ring together at 09 15.

Find the time when the timers next ring together.

..... [3]

MARK SCHEME:

	15 05	**3**	**B2** for [LCM=] 350 or **B1** for 2 × 5 × 7 or 10 25, 11 35, 12 45... or 70, 140, 210, 280, 350

5 Dariella leaves home at 07 49 and takes 24 minutes to walk to school.

(a) At what time does Dariella arrive at school?

Answer(a) ..... [1]

(b) The distance to school is 1.4 km.

Calculate Dariella's walking speed.
Give your answer in kilometres per hour.

Answer(b) ..... km/h [2]

MARK SCHEME:

(a)	[0]8 13	**1**	**B1**	Accept 8 13 am and other possible forms of time of day.
(b)	3.5	**2**	**B2**	**M1** for $\frac{1.4}{24}(\times 60)$ oe