

0 6**Figure 10** shows a lorry.**Figure 10****0 6 . 1**

The brakes of the lorry are in a poor condition.

What effect will the condition of the brakes have on thinking distance and the braking distance of the lorry?

[2 marks]

Thinking distance _____

Braking distance _____



0 6 . 2

Using a hand-held mobile phone while driving is illegal in the United Kingdom.

Table 1 shows the effect of using a mobile phone on thinking distance.

Table 1

	Thinking distance
Not using a mobile phone	19 m
Using a mobile phone with hands-free kit	23 m
Using a hand-held mobile phone	27 m

Explain why driving while using a hand-held mobile phone is more dangerous than using a mobile phone with a hands-free kit.

Use data from **Table 1**

[4 marks]

6

Turn over for the next question

Turn over ►



Question	Answers	Extra information	Mark	AO / Spec. Ref.
06.1	thinking distance stays the same braking distance increases		1 1	AO1 6.5.4.3.3
06.2	reaction time is increased by using a mobile phone hand-held mobile phones increase the thinking distance more than hands-free phone by 4 m more than the hands-free phone so overall stopping distance increases	allow thinking distance is increased by using a mobile phone allow 2 marks for a hand-held mobile phone doubles the increase of the thinking distance	1 1 1 1	AO3 6.5.4.3.2
Total			6	