

a Find the shaded area 30 the area under a horizontal line	b Find the shaded area 16 the area of a triangle under a line	c Find the shaded area 20 a trapezium under a line	d Find the shaded area 40 an area split into parts
e What does the area under a velocity time graph give? distance area under a velocity time graph	f What does the gradient of a velocity time graph give? acceleration gradient of a velocity time graph	g Find the acceleration 3 m/s² acceleration from the gradient	h Find the acceleration -2 m/s² a negative acceleration
i Find the gradient at P 2 gradient of a curve from a tangent	j Find the gradient at P -1 a negative gradient on a curve	k Use the 2 strips to estimate the area 10 estimating an area with trapezia	l Is the estimate too big or too small? underestimate curve bends down: an underestimate

a Find the shaded area 30 the area under a horizontal line	b Find the shaded area 16 the area of a triangle under a line	c Find the shaded area 20 a trapezium under a line	d Find the shaded area 40 an area split into parts
e What does the area under a velocity time graph give? distance area under a velocity time graph	f What does the gradient of a velocity time graph give? acceleration gradient of a velocity time graph	g Find the acceleration 3 m/s² acceleration from the gradient	h Find the acceleration -2 m/s² a negative acceleration
i Find the gradient at P 2 gradient of a curve from a tangent	j Find the gradient at P -1 a negative gradient on a curve	k Use the 2 strips to estimate the area 10 estimating an area with trapezia	l Is the estimate too big or too small? underestimate curve bends down: an underestimate