

Answers and mark schemes

Year 6 Light

Test 3 (end of topic)	Area	Mark	Extra information
1a. From the flame to the cat's eyes	KU	1	Accept light travels in a straight line
1b. One arrow drawn from Sun to car One arrow drawn from car to man's eye	KU	2	Each arrow must be pointing in the right direction
2a. It goes from the torch to the mirror and bounces off.	KU	1	Both directions given for 1 mark
2b. Any one from: bounces off; is blocked by; is turned by	KU	1	
3. So it can be read in the mirror of the car driving in front or so it is the right way around when it is seen in a mirror.	A	1	
4a. Move the torch away from the object (or move the object away from the torch) and see/measure how big the shadow is	A/WS	1	
4b. Size of the shadow Distance of object from torch	A/WS	2	
4c. He will be able to work out shadow sizes for distances he did not measure more easily	A/WS	1	