Reflexion I

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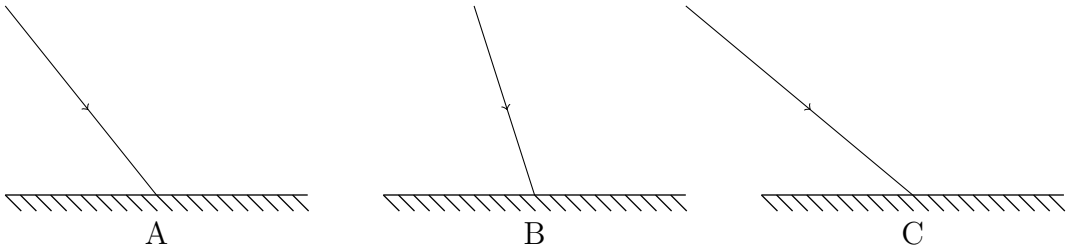
1. Copy out and complete:

   "Light travels in ... lines, which are drawn as lines called ...."

2. A laser beam can be bounced off the Moon (from a retro-reflector left by astronauts). The light travels there and back in 2.6 s. If light travels at 300 000 000 m/s, calculate the distance to the moon.

3. Copy out and complete the following diagrams, showing the reflected ray. Don't forget to include the direction (arrow) on the reflected ray.

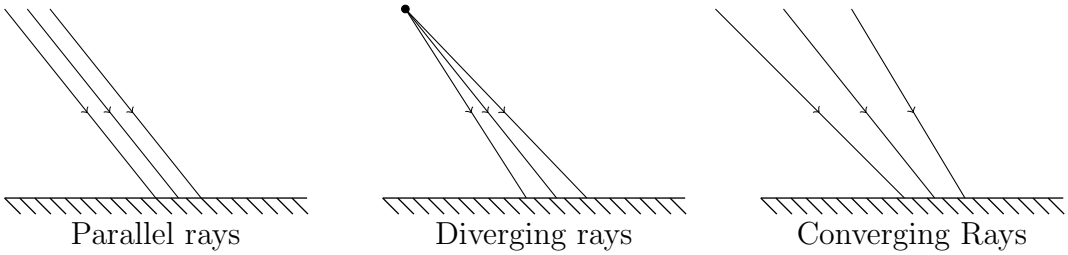


4. Copy out and complete the following:

   The law of reflexion says

   "The angle of ... equals the angle of ...."

5. (a) Copy out and complete the following diagrams, showing the reflected rays.



   (b) Label your diagrams to show which diagram has

   i. converging rays after reflexion,
   ii. parallel rays after reflexion,
   iii. diverging rays after reflexion.