# Maths skills – M2.2 Change the subject of an equation

## Teacher answers

### Quiz

**1.** Rearrange the equation

$$speed=\frac{distance}{time}$$

so that

1. Distance is the subject of the equation

| $$distance=speed x time$$ |
| --- |

1. Time is the subject of the equation

| $$time=\frac{distance}{speed}$$ |
| --- |

**2.** Rearrange the equation

$$pressure=\frac{force}{area}$$

so that

1. Force is the subject of the equation

| $$force=pressure x area$$ |
| --- |

1. Area is the subject of the equation

| $$area=\frac{force}{pressure}$$ |
| --- |

**3.** Rearrange $y=mx+c$ to make $c$ the subject of the equation

| $$c=y-mx$$ |
| --- |

**4.** Rearrange $a^{2}=b^{2}+c^{2}$ to make $b^{2}$ the subject of the equation

| $$b^{2}=a^{2}-c^{2} $$ |
| --- |

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