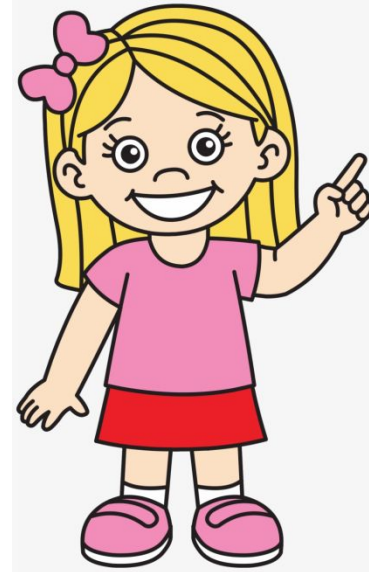


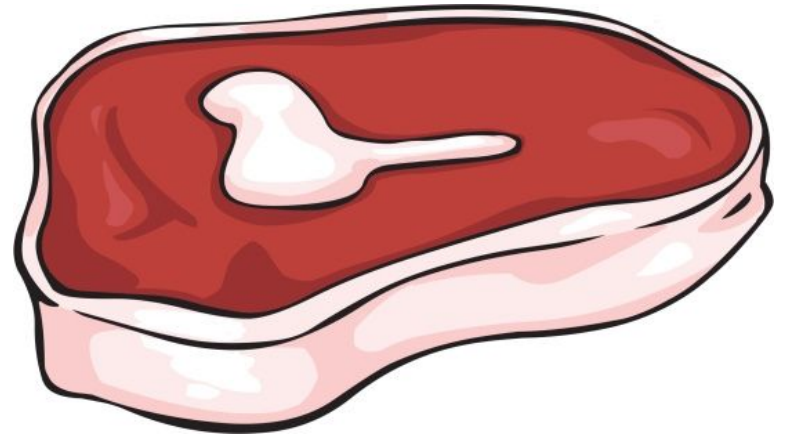
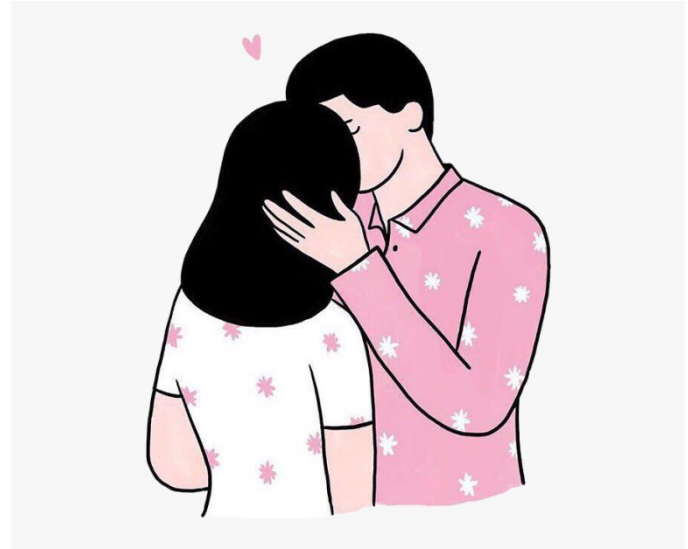


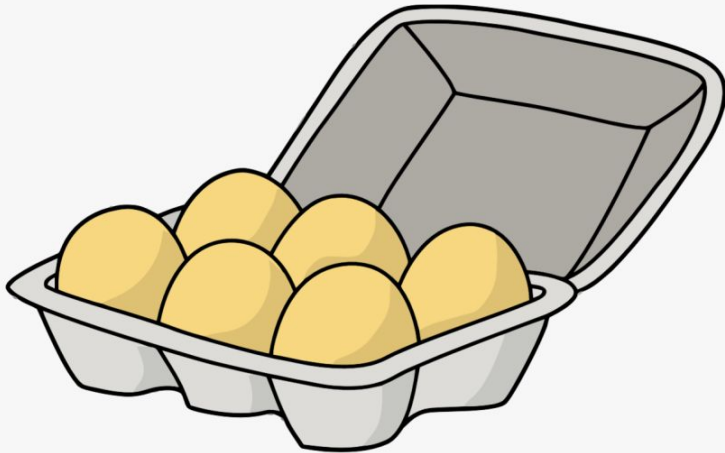
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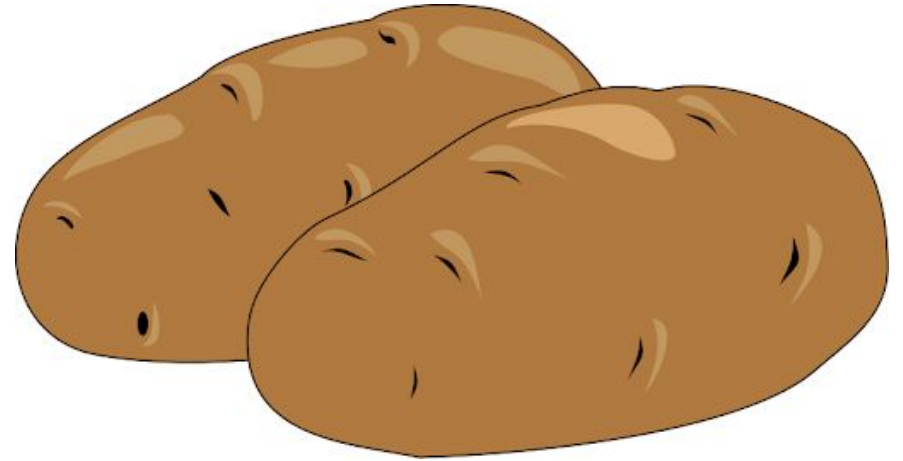


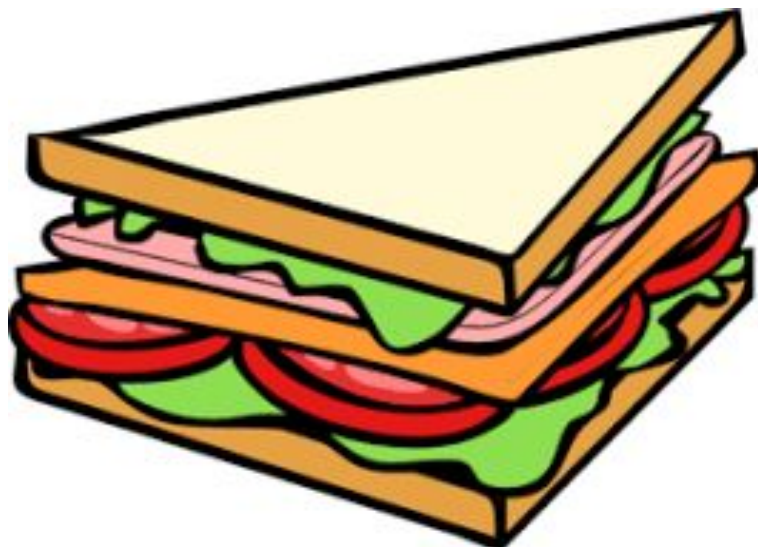
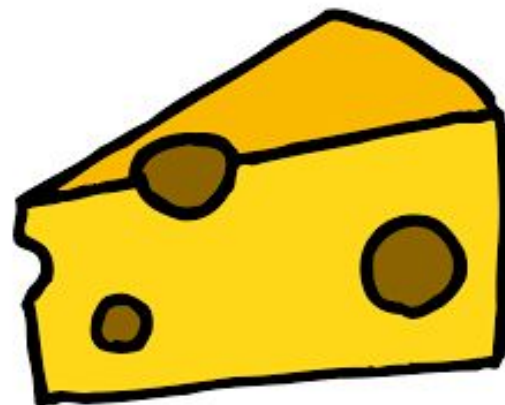










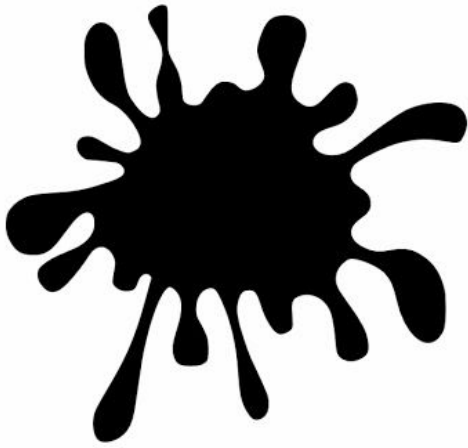


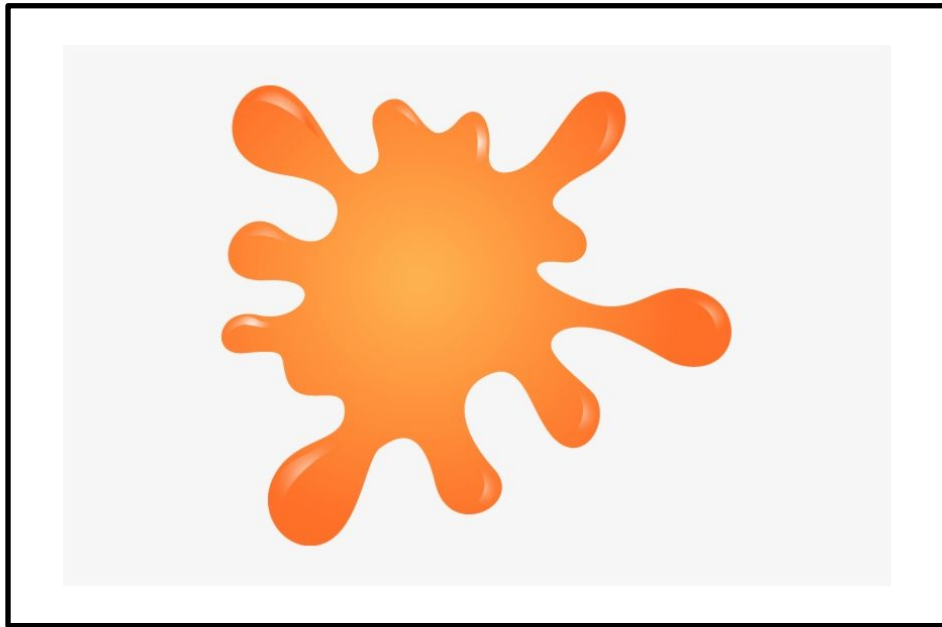
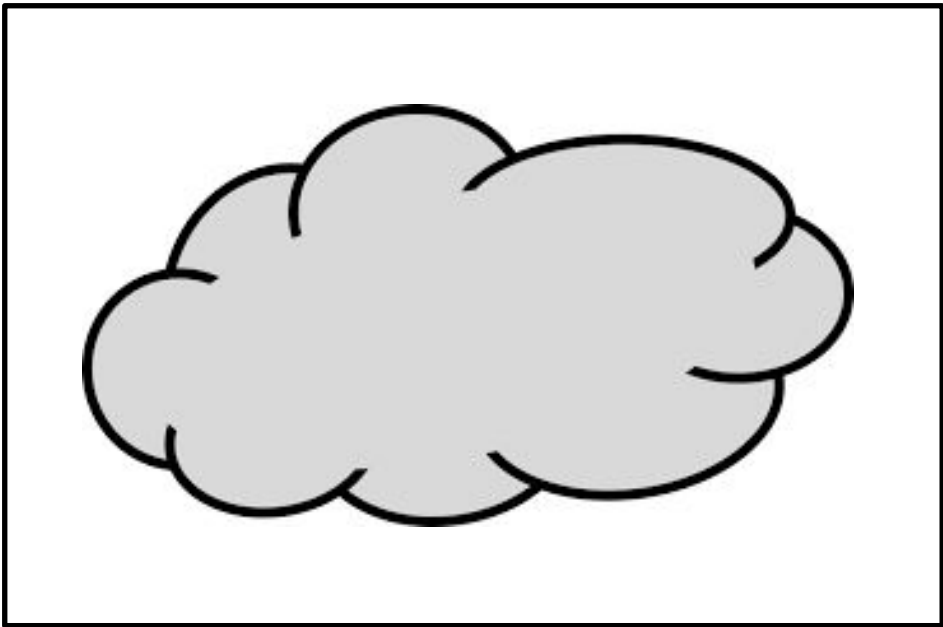
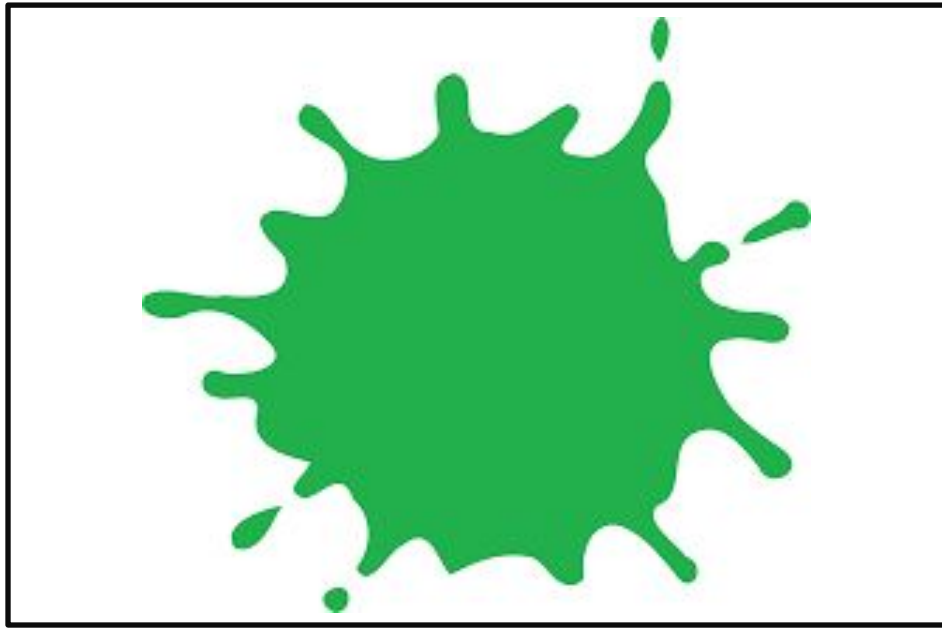
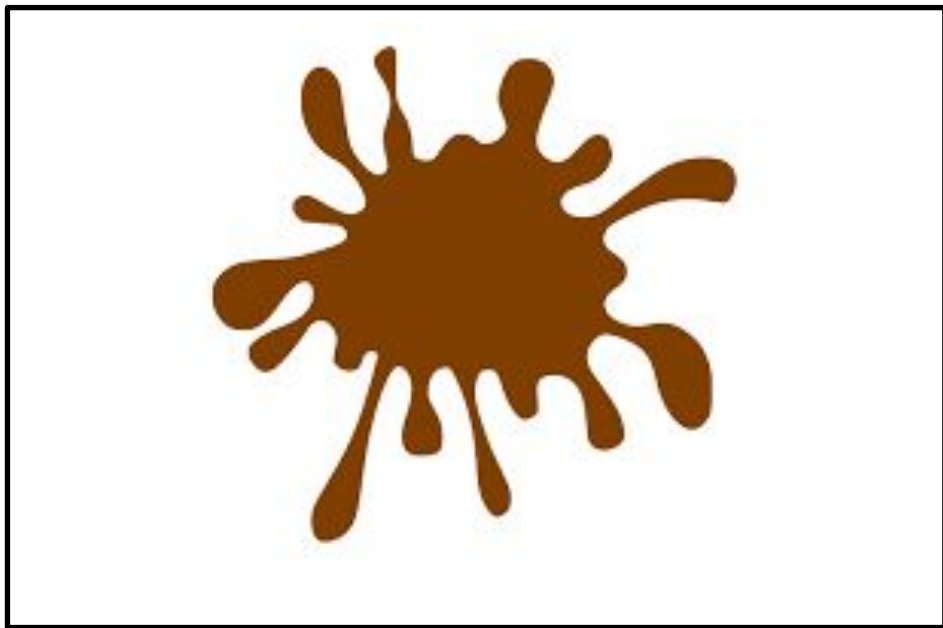


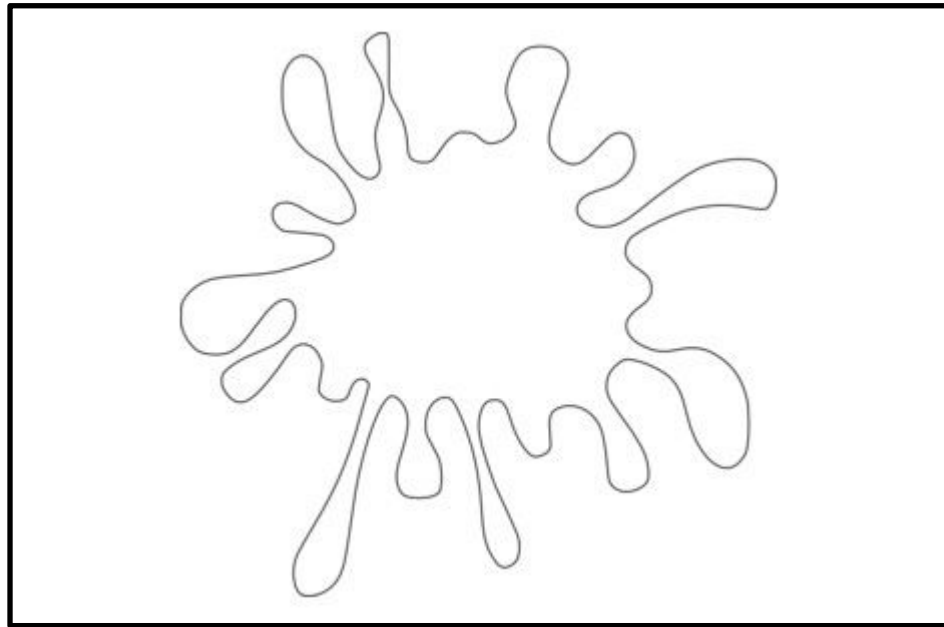
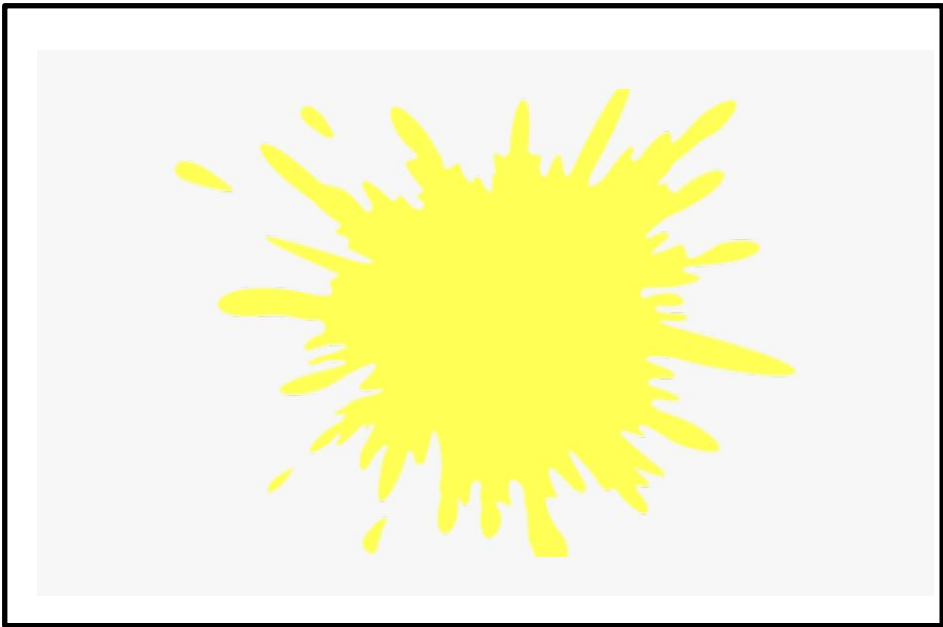
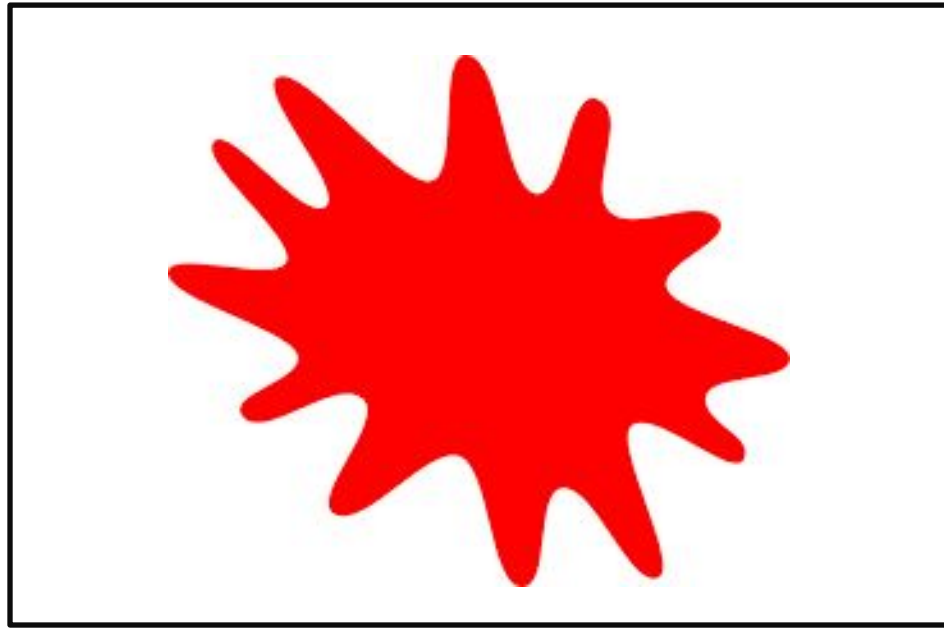
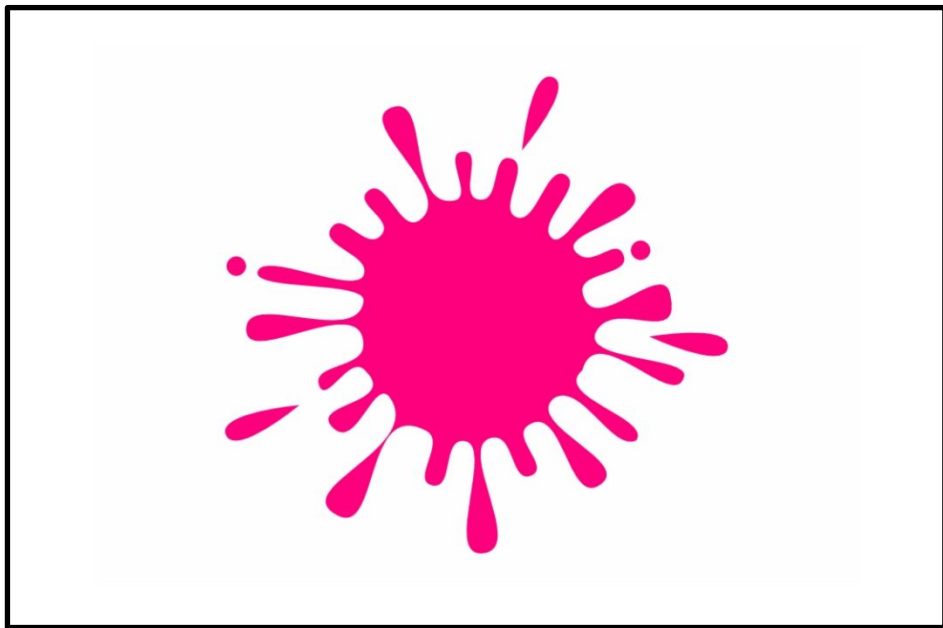
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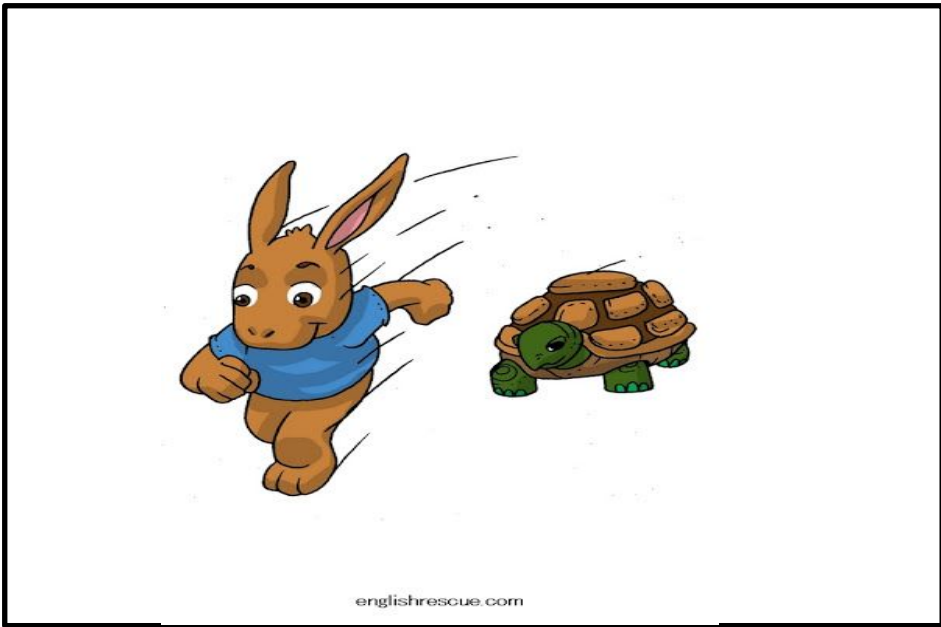
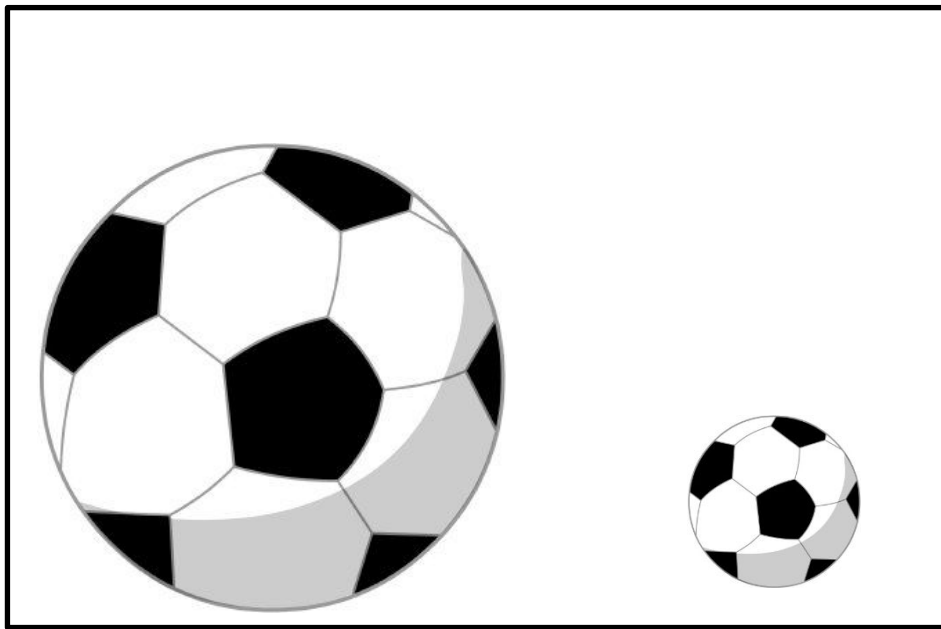


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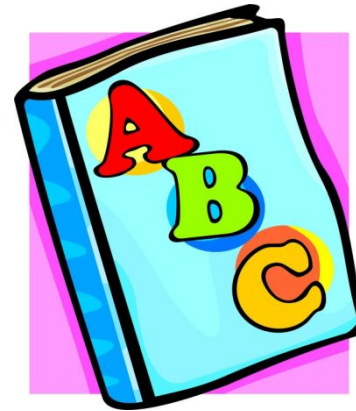








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$L_1: x + 2y - \frac{z}{2} = 1$
 $L_2: \frac{x}{2} + \frac{y}{3} = \frac{z}{6}$
 $L_3: \frac{x}{3} + \frac{y}{2} = \frac{z}{6}$

$BC \cdot AC = AC \cdot DC = 2 \cdot 2 = 4$
 $AB \cdot AC = 2 \cdot 2 = 4$
 $BC \cdot AC = AB \cdot AC$
 $\angle C = 90^\circ$

$PQ = PA \cdot PB = 1 \cdot 2 = 2$
 $PD = PA \cdot PB = 1 \cdot 2 = 2$

$\frac{d^2x}{dt^2} + 2\frac{dx}{dt} + 2x = 0$
 $\lambda^2 + 2\lambda + 2 = 0$
 $\lambda = -1 \pm i$
 $x(t) = e^{-t} (C_1 \cos t + C_2 \sin t)$

$\frac{d^2y}{dt^2} + 2\frac{dy}{dt} + 2y = 0$
 $\lambda^2 + 2\lambda + 2 = 0$
 $\lambda = -1 \pm i$
 $y(t) = e^{-t} (D_1 \cos t + D_2 \sin t)$

$\frac{d^2z}{dt^2} + 2\frac{dz}{dt} + 2z = 0$
 $\lambda^2 + 2\lambda + 2 = 0$
 $\lambda = -1 \pm i$
 $z(t) = e^{-t} (E_1 \cos t + E_2 \sin t)$

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