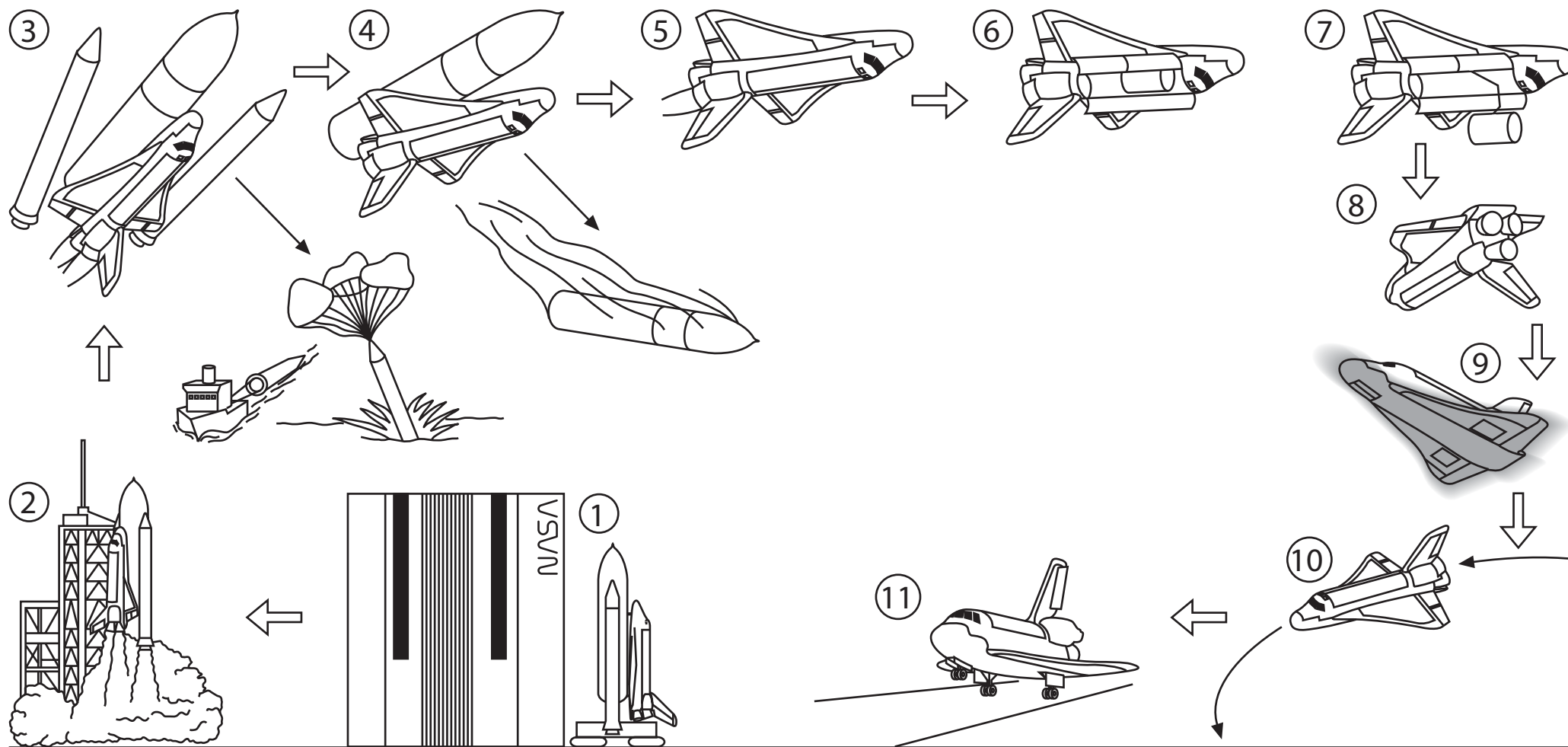


Tegningerne viser en typisk flyveprofil for opsendelse af en rumfærge.

Opgave: Hvad sker der ud for de enkelte tal?



Facts and Figures

Orbiter

| | |
|------------------------------|--------------------------|
| Wing Span | 23.79 meters |
| Length | 37.24 meters |
| Height | 17.27 meters |
| Payload Bay | 18.3 meters x 4.6 meters |
| Payload Weight (launch max.) | 24,948 kilograms |

Main Engine (each)

Thrust at 100% Throttle Setting:

| | |
|-----------|-------------------|
| Sea Level | 1,670 kilonewtons |
| Vacuum | 2,100 kilonewtons |

External Tank (ET)

| | |
|---------------------|-------------------|
| Length | 47 meters |
| Diameter | 8.4 meters |
| Gross Weight (full) | 750,980 kilograms |

Solid Rocket Booster (SRB, each)

| | |
|------------------------|--------------------|
| Length | 45.46 meters |
| Diameter | 3.7 meters |
| Thrust at Liftoff | 14,685 kilonewtons |
| Gross Weight (approx.) | 589,670 kilograms |

Operations

| | |
|--------------------------------------|------------------------|
| Gross Liftoff Weight (approx.) | 2,041,200 kilograms |
| Total Thrust at Launch | 33,327 kilonewtons |
| SRB Separation Altitude | 50 kilometers |
| SRB Splashdown Distance From Kennedy | 260 kilometers |
| ET Separation Altitude (approx.) | 120 kilometers |
| Orbital Velocity (approx.) | 27,869 kilometers/hour |

Space Shuttle Launch to Orbit Profile

