

Missing part exploration activities



1 Hide some

Partners share a counted collection. One student hides some under a cup. The other finds the missing part, then lifts the cup to check.

"What is the whole? What can you see? How many are missing?"

2 Story of the missing part

Tell hiding stories: planes fly behind the clouds and 4 can still be seen; insects are eaten by a bird and 2 are left. Students build the part they can see with counters and find the missing part.

"Some are hidden. How many are hidden? How do you know without seeing them?"

3 Which part is missing?

Switch which part is unknown: 3 planes fly behind the clouds — how many can you still see? Students name the numbers before solving.

"Which number is the whole? Which part do you know? Which part is missing?"

4 Non-example: the impossible missing part

Show 8 penguins, cover some, leaving 5 visible. Claim the answer.

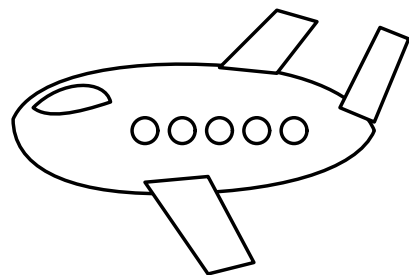
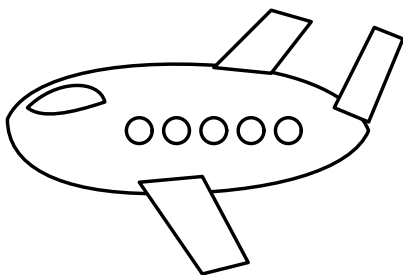
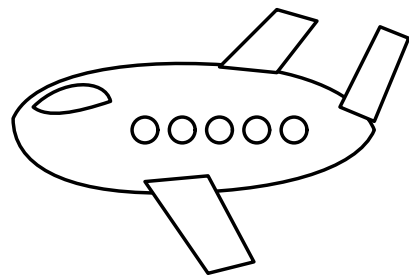
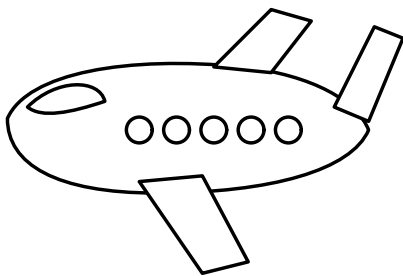
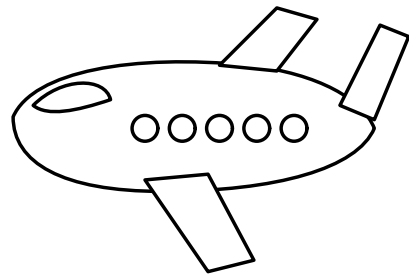
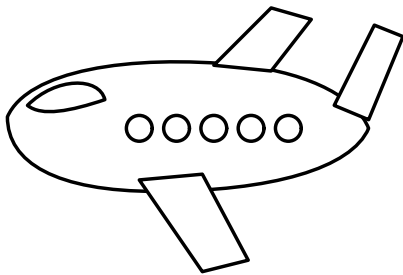
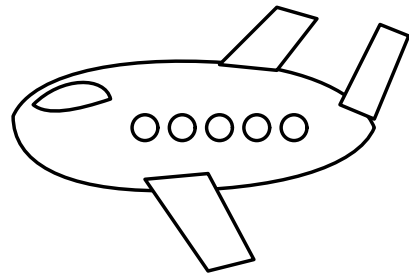
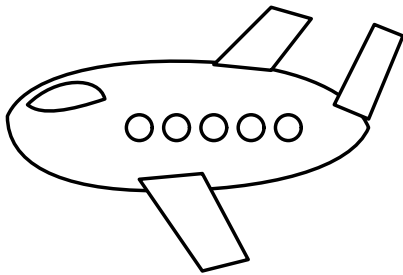
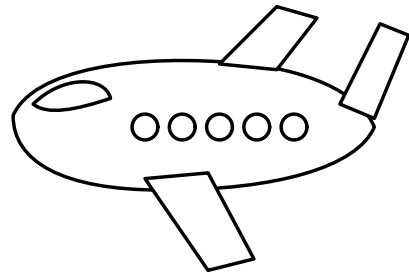
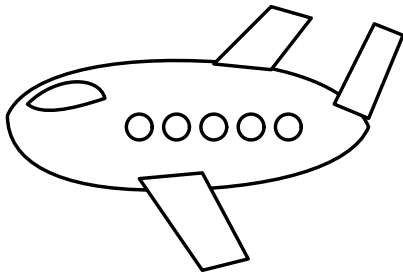
"I think 6 penguins are hiding. Am I right? How do you know without looking?"

Students test the claim against the whole: 6 hiding and 5 seen is more than 8. They find the true missing part, then reveal to check.

Exploration resources — planes



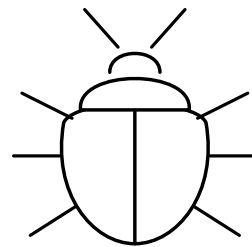
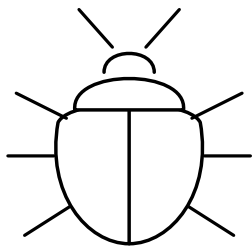
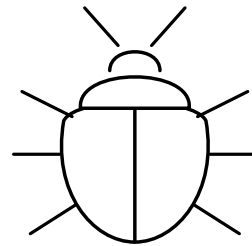
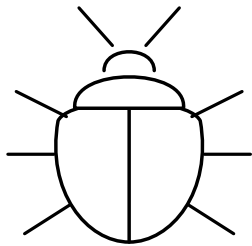
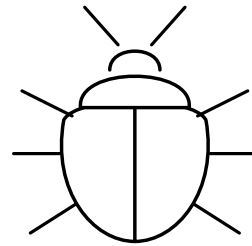
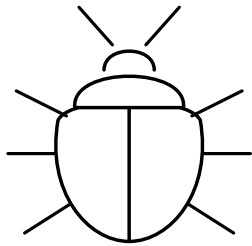
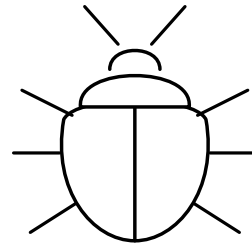
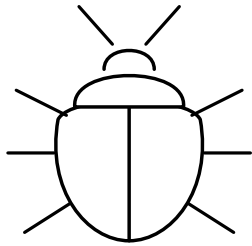
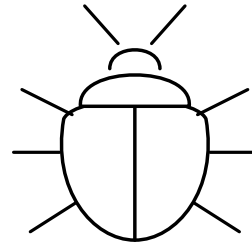
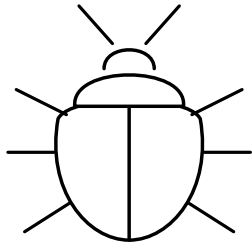
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Exploration resources — insects



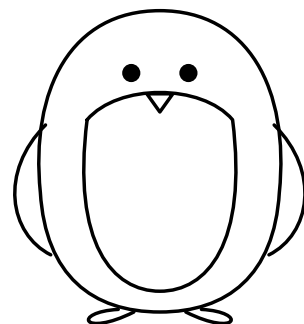
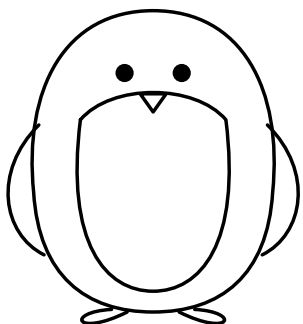
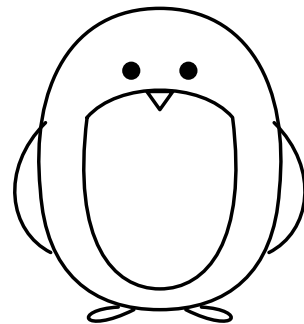
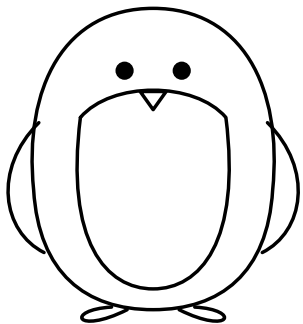
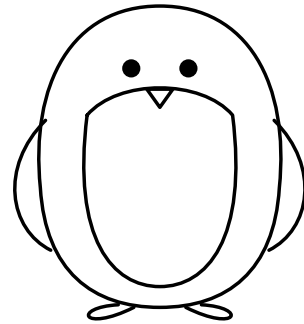
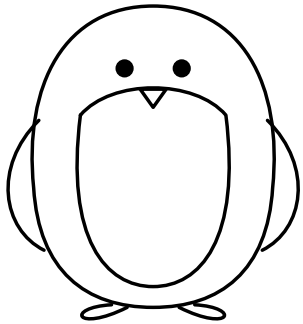
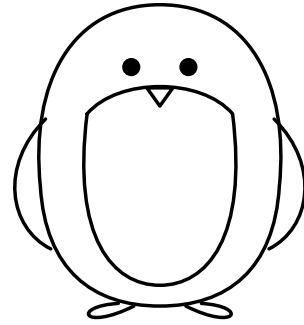
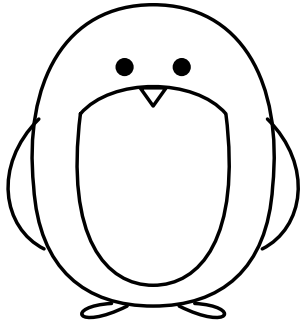
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Exploration resources — penguins



Print on A4. Laminate and cut along the dashed lines.



Exploration resources — clouds and bird



Print on A4. Laminate and cut along the dashed lines.

