

L'ARCHITEK



Description du matériel :

- 18 solides géométriques : 2 cylindres, 4 parallélépipèdes rectangles, 4 cubes, un demi-cylindre, 4 parallélépipèdes trapézoïdaux, un pont, 2 prismes triangulaires ;
- 4 séries de cartes-problèmes numérotées et graduées en difficulté (trois niveaux) :
 - . verte : les ombres : 35 cartes-problèmes,
 - . orange : les équilibres : 25 cartes-problèmes,
 - . fuchsia : les réductions : 20 cartes-problèmes,
 - . rouge : les alignements : 20 cartes-problèmes ;
- 4 feuilles de route.

Nombre de joueurs : 1 par lot de matériel (l'activité est individuelle mais plusieurs enfants peuvent la faire simultanément).

Objectif : Apprendre à décoder et utiliser des informations d'ordre spatial et géométrique.

Compétences : Nommer certains solides (cube, cylindre, demi-cylindre, pont, prisme triangulaire, parallélépipède rectangle, parallélépipède trapézoïdal).
Etablir des liens entre un solide et ses faces.
Explorer les notions d'angle et de projection.
Explorer certaines notions relatives aux forces et à leurs applications dans des constructions simples.
Passer du plan horizontal au plan vertical.

Règle du jeu : En respectant les indices fournis sur une carte-problème placer des solides géométriques sur la carte ou sur la table pour réaliser la figure géométrique proposée.
Il n'est pas toujours nécessaire d'utiliser la totalité des solides.

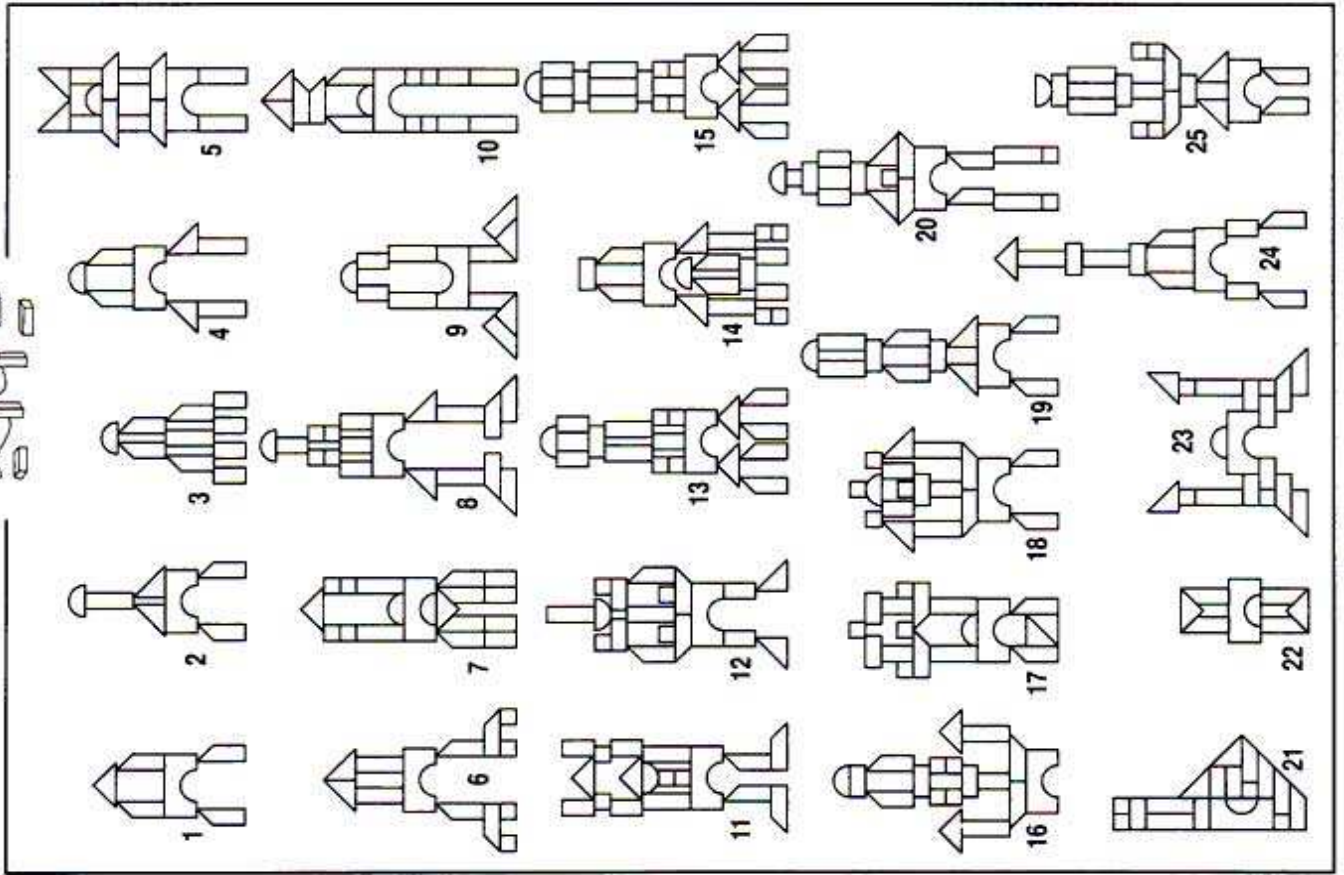
FEUILLE DE ROUTE : Equilibres

Je colorie ou j'entoure le modèle correspondant à la carte-problème que j'ai réalisée.



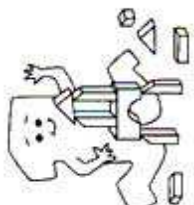
Checklist

Feuille de route



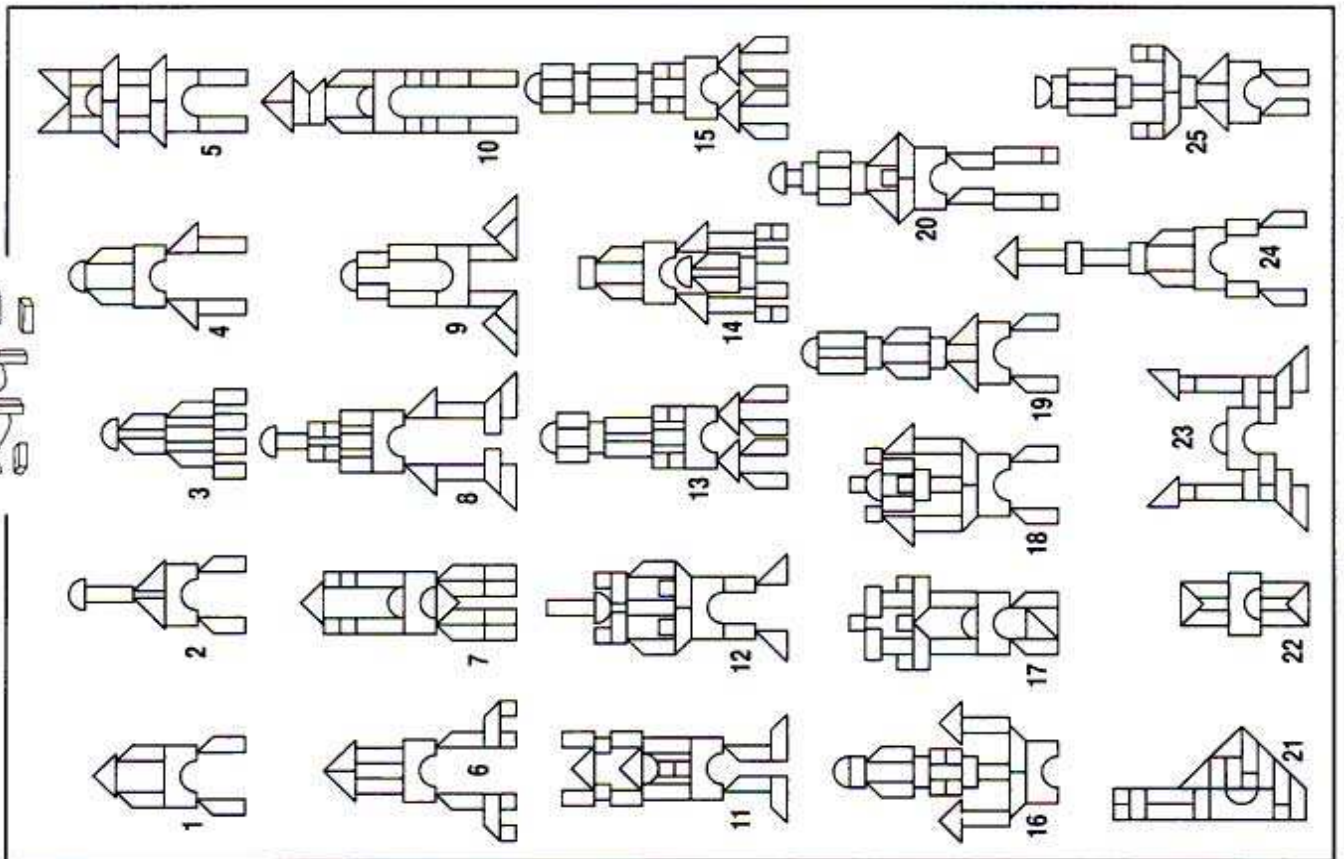
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Checklist


Feuille de route



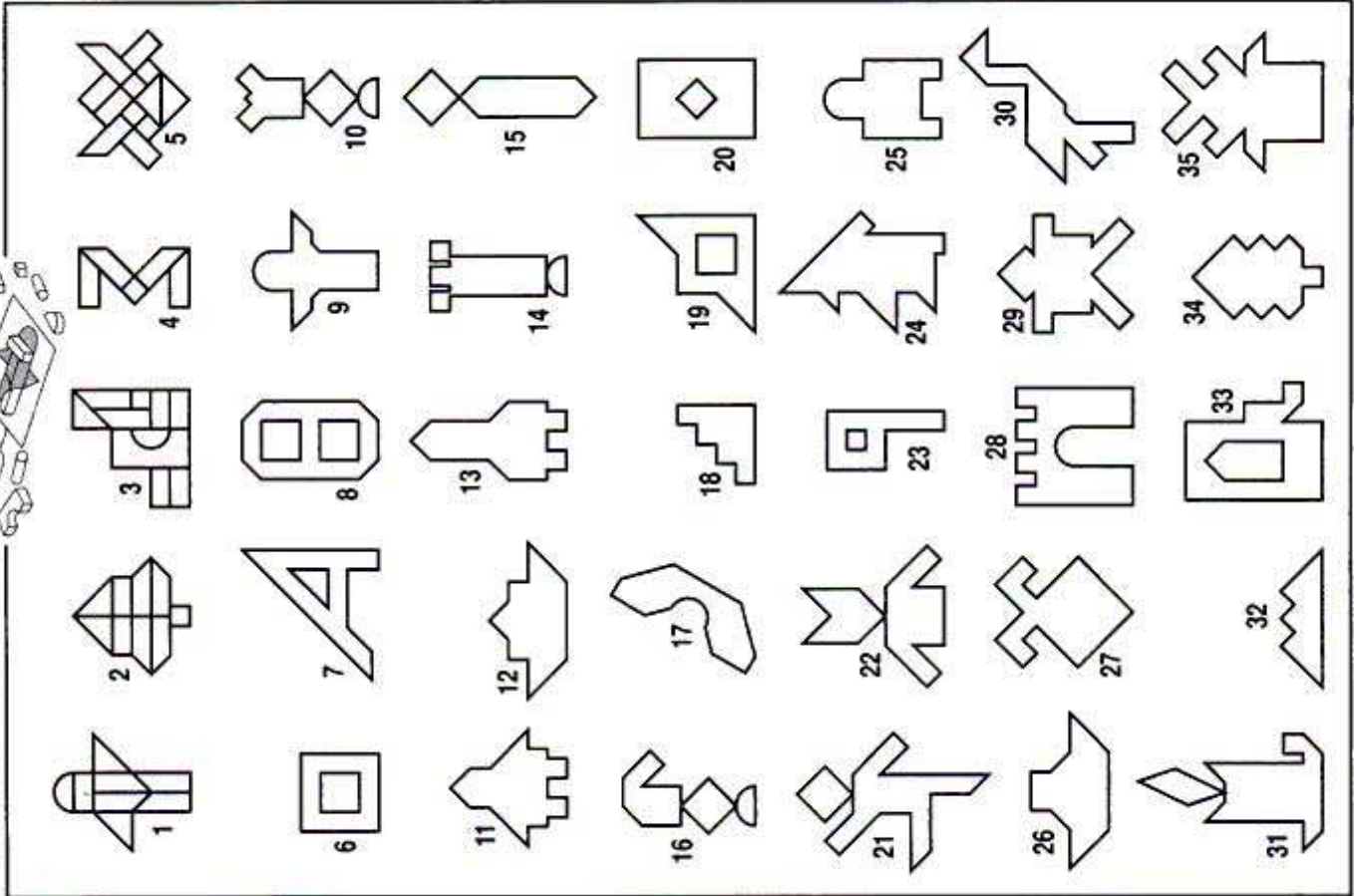
FEUILLE DE ROUTE : Ombres

Je colorie ou j'entoure le modèle correspondant à la carte-problème que j'ai réalisée.

Feuille de route



Checklist



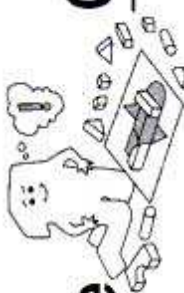
The grid contains 35 numbered shapes:

- 1: A house with a chimney.
- 2: A house with a chimney and a roof.
- 3: A house with a chimney and a roof.
- 4: A house with a chimney and a roof.
- 5: A house with a chimney and a roof.
- 6: A square with a smaller square inside.
- 7: A triangle with a smaller triangle inside.
- 8: A square with a smaller square inside.
- 9: A house with a chimney.
- 10: A house with a chimney.
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- 33: A house with a chimney.
- 34: A house with a chimney.
- 35: A house with a chimney.

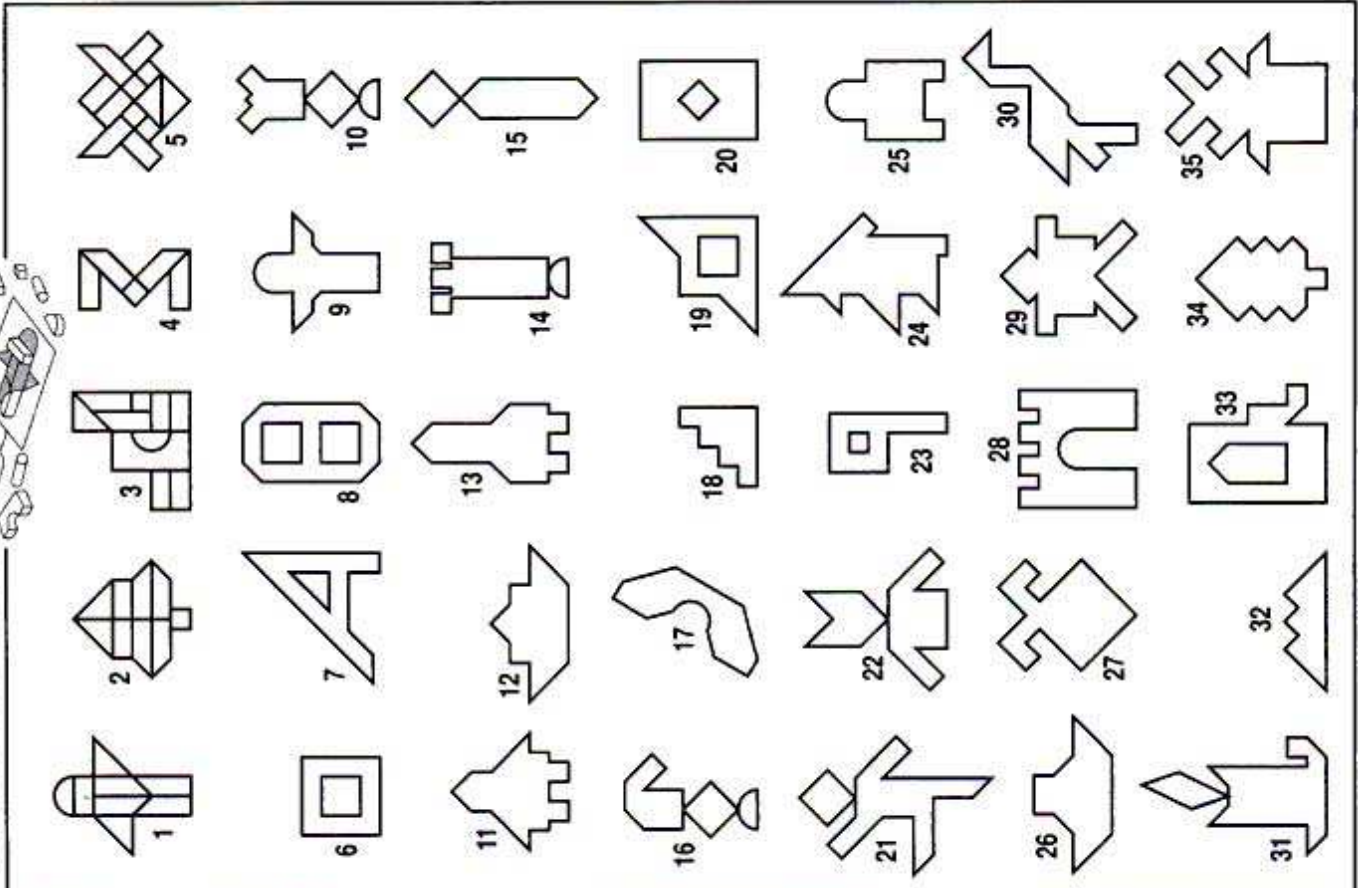
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FEUILLE DE ROUTE : Réductions


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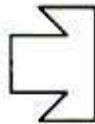
Feuille de route Checklist





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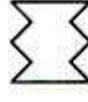
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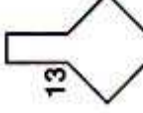
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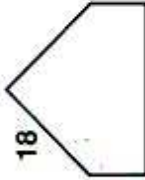
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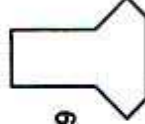
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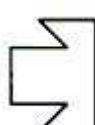
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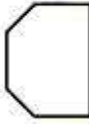



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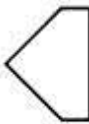
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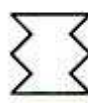
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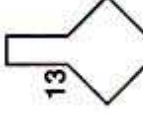
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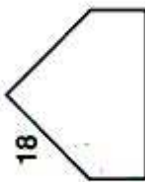
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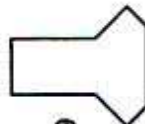
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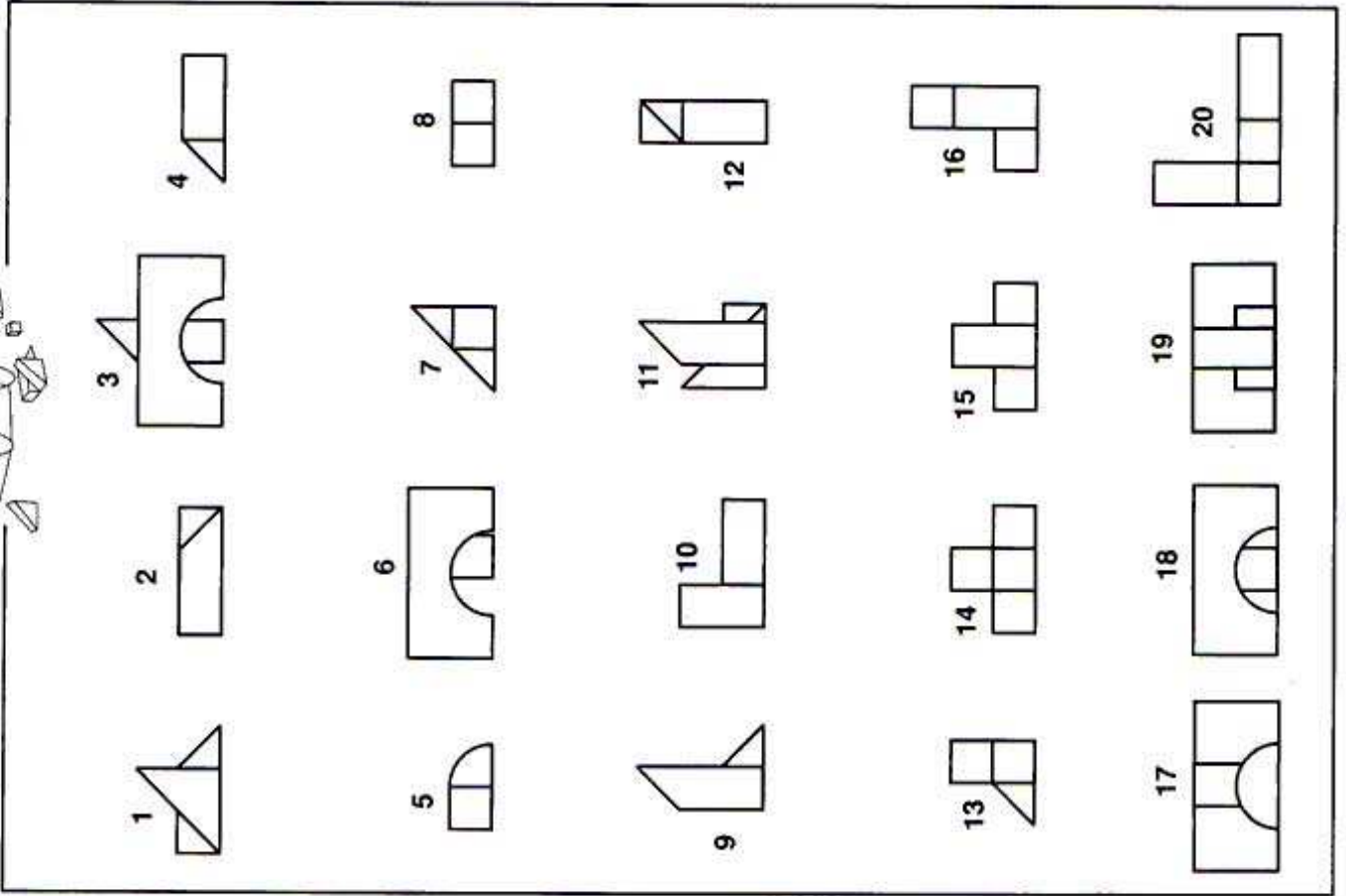
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FEUILLE DE ROUTE : Alignements

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Feuille de route Checklist



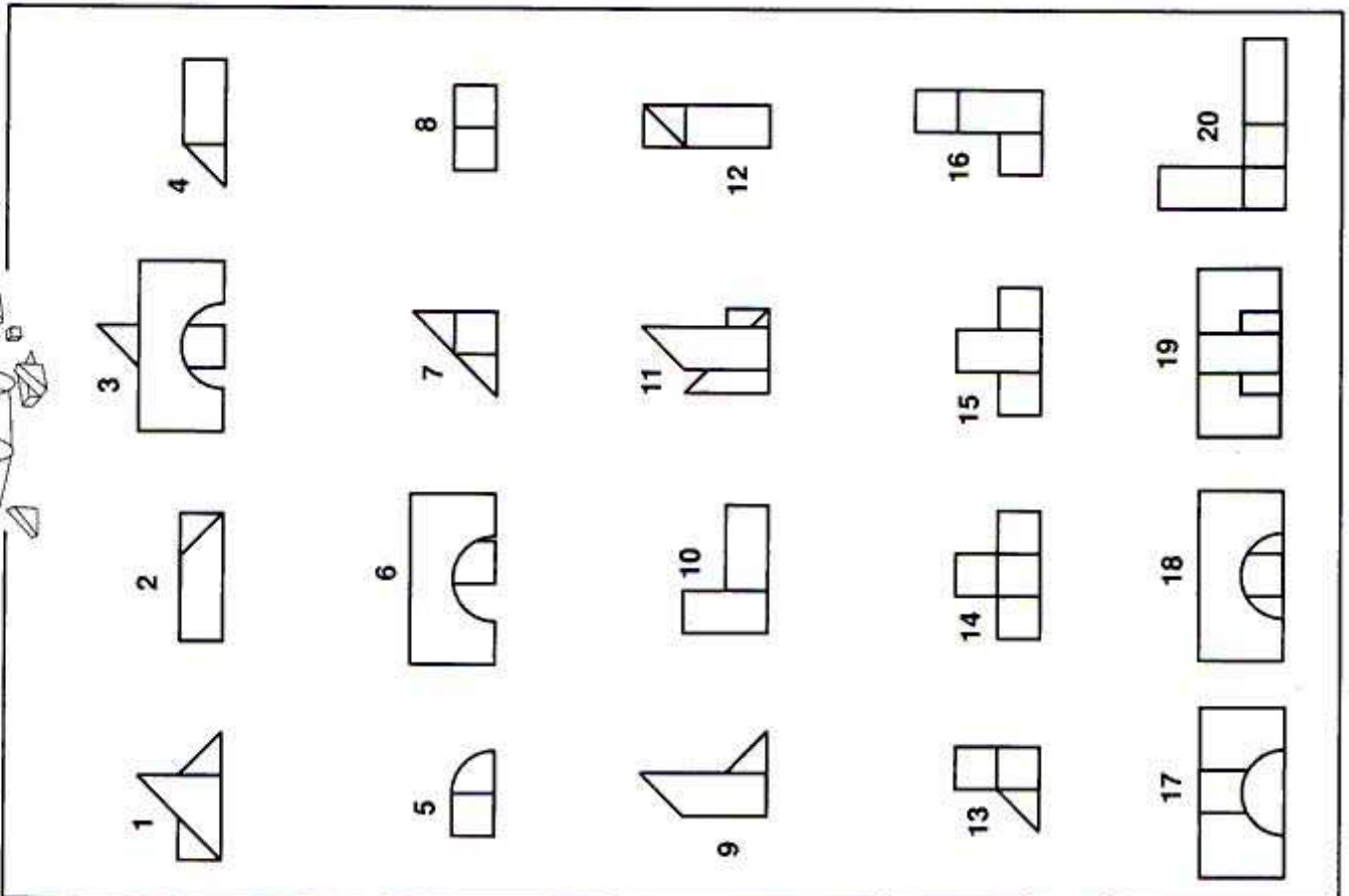
A grid of 20 numbered geometric shapes for a matching exercise. The shapes are arranged in four rows and five columns:

- Row 1: 1. A right-angled triangle with the right angle at the bottom-left.
- Row 2: 2. A rectangle with a diagonal line from the top-left to the bottom-right.
- Row 3: 3. A rectangle with a semi-circle on the top edge.
- Row 4: 4. A rectangle with a diagonal line from the top-right to the bottom-left.
- Row 5: 5. A semi-circle on top of a rectangle.
- Row 6: 6. A rectangle with a semi-circle on the bottom edge.
- Row 7: 7. A right-angled triangle with the right angle at the top-right.
- Row 8: 8. A rectangle divided into two equal horizontal halves.
- Row 9: 9. A right-angled triangle with the right angle at the top-right.
- Row 10: 10. A rectangle with a smaller rectangle attached to its top edge.
- Row 11: 11. A complex shape consisting of a rectangle with a triangle on top and another rectangle on the right side.
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