



Mathematik-Labor

Station Mathematik und Kunst

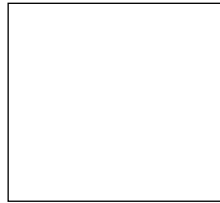
Teil 1:



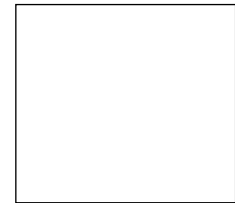
Bild von Max Bill



Schule



Klasse



Tischnummer

Arbeitsheft



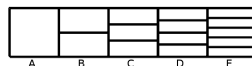
Teilnehmer-Nummer

Material:

- Bild von Max Bill



- Puzzle-Schablone



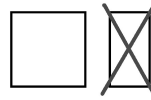
- Puzzle-Teile



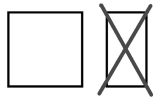
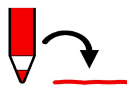
1.



Schau dir das Bild an.



Suche die 5 gleich großen Quadrate



Umrande die Quadrate rot.

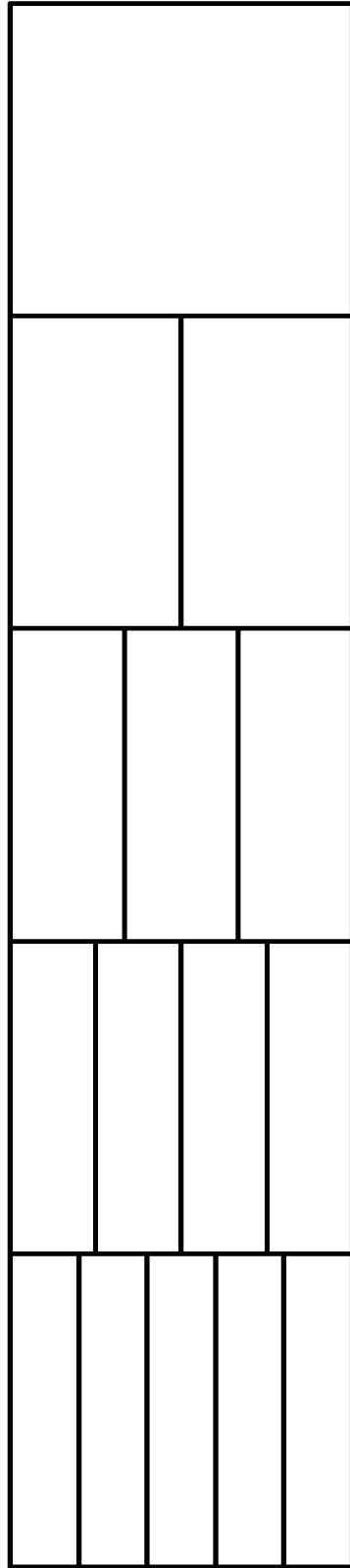
A

B

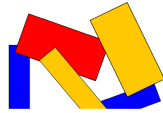
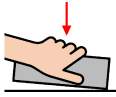
C

D

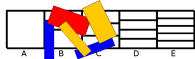
E



2.

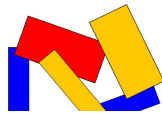


Lege die Puzzle-Teile in die Quadrate auf der Schablone.



Sind dein Puzzle und das Bild gleich ?

3.



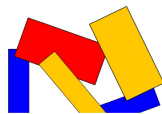
Zähle die Puzzle-Teile in Quadrat A.



5 1 4


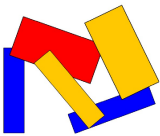







Schreibe die Zahl in die Tabelle.



Zähle die Puzzle-Teile in den Quadraten B, C, D und E.



| | |
|--|--|
|  <p>Quadrat</p> |  <p>Puzzleile</p> |
| A  | |
| B  | |
| C  | |
| D  | |
| E  | |

4.



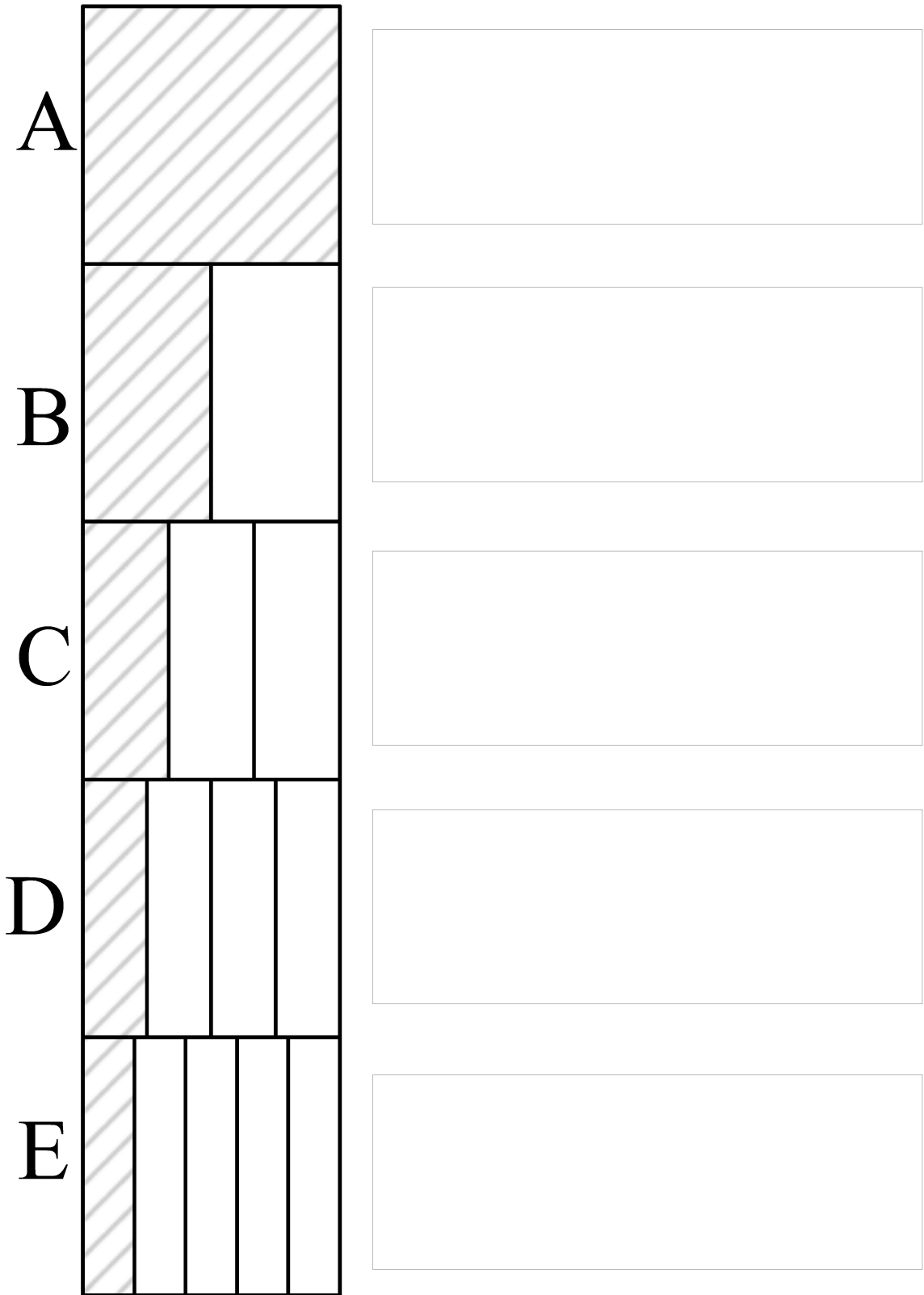
Schaue dir Video 1 an. Denke an die Kopfhörer.



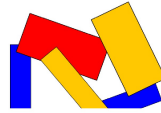
Mache Übung 1.



Schreibe die fehlenden Bruchzahlen wie in Quadrat A auf.



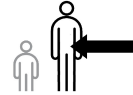
5.



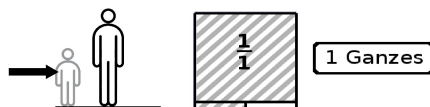
Nimm aus jedem Quadrat 1 Puzzerteil. Jetzt ordne sie der Größe nach.



1 Ganzes



Schreibe die Bruchzahlen auf. Beginne mit der Größten.



Wie heißt die nächst kleinere Bruchzahl ?

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V

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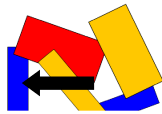
?



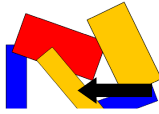
6.



Schaue dir das Bild an.



Male die blauen Puzzelteile aus Quadrat D in das linke Quadrat.



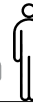
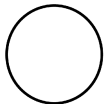
Male die gelben Puzzelteile aus Quadrat D in das rechte Quadrat.



1 Ganzes

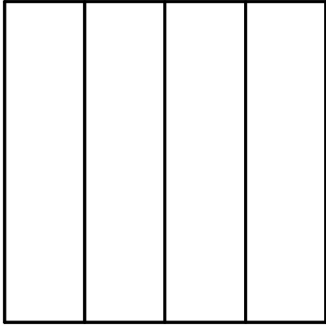


Schreibe die Bruchzahlen unter die Quadrate.

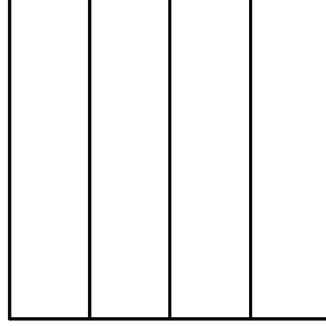


1 Ganzes

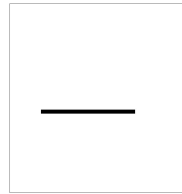
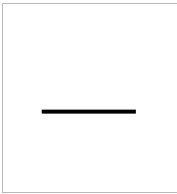
Umkreise die größere Bruchzahl.



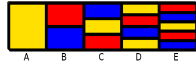
D



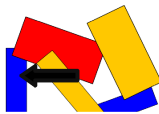
D



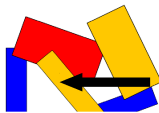
7.



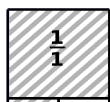
Schaue dir das Bild an.



Male die blauen Puzzelteile aus Quadrat E in das linke Quadrat.



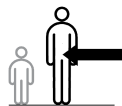
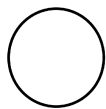
Male die gelben Puzzelteile aus Quadrat D in das rechte Quadrat.



1 Ganzes

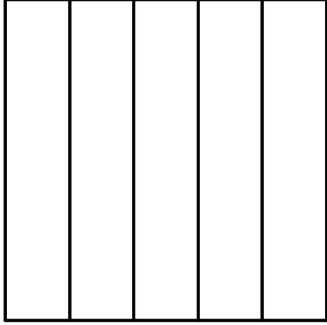


Schreibe die Bruchzahlen unter die Quadrate.

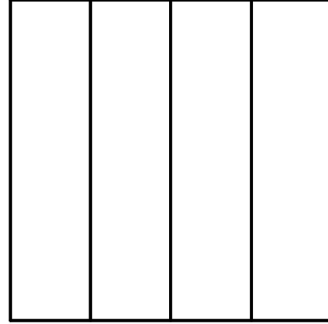


1 Ganzes

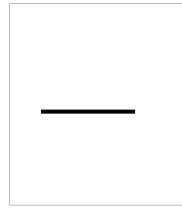
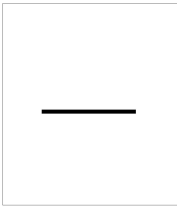
Umkreise die größere Bruchzahl.



E



D



Zusatzaufgabe

$$\frac{?}{?}$$

Denke dir eine Bruchzahl aus.



$$\frac{?}{?}$$

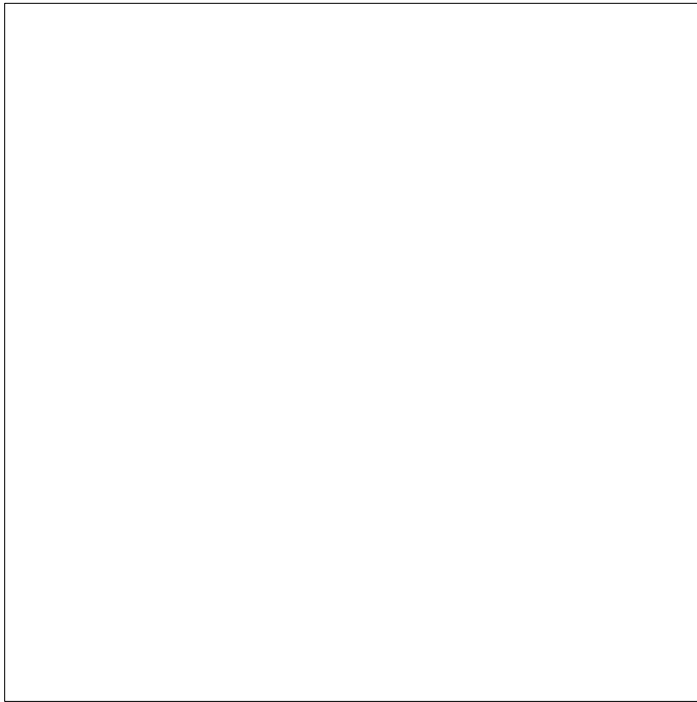
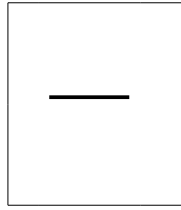
Schreibe die Bruchzahl auf.



$$\frac{?}{?}$$



Male die Bruchzahl in das Quadrat.



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