



# Mathematik-Labor

## Station Mathematik und Kunst

Teil 1:

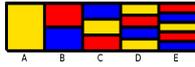
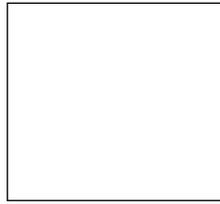


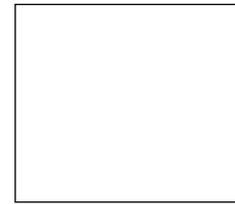
Bild von Max Bill



Schule



Klasse



Tischnummer

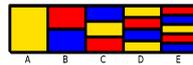
### Arbeitsheft



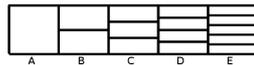
Teilnehmer-Nummer

Material:

- Bild von Max Bill



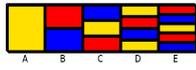
- Puzzle-Schablone



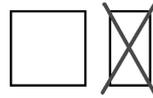
- Puzzle-Teile



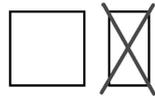
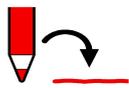
1.



Schau dir das Bild an.



Suche die 5 gleich großen Quadrate



Umrande die Quadrate rot.

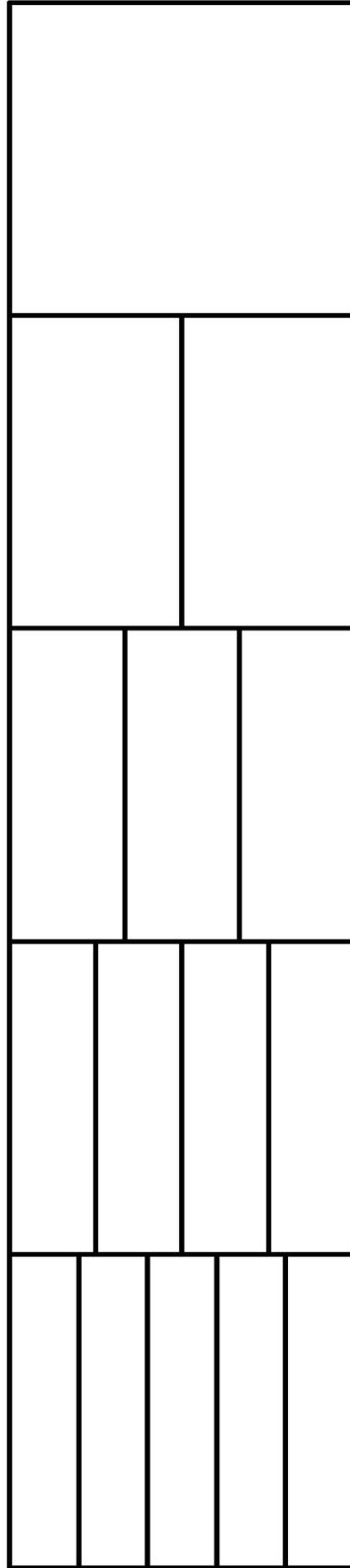
A

B

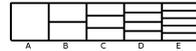
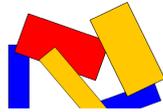
C

D

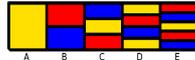
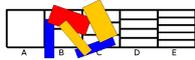
E



2.

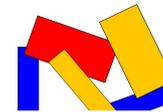


Lege die Puzzle-Teile in die Quadrate auf der Schablone.



Sind dein Puzzle und das Bild gleich ?

3.



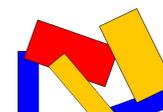
Zähle die Puzzle-Teile in Quadrat A.



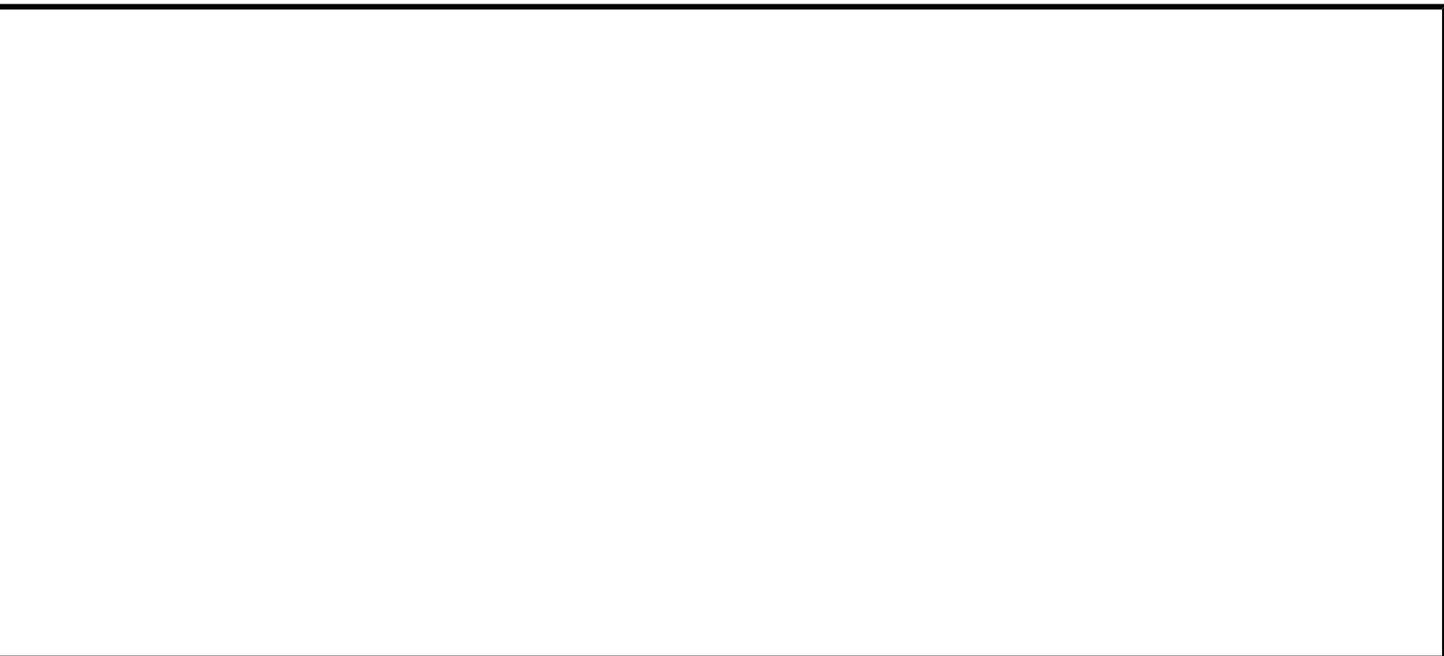
5 1 4

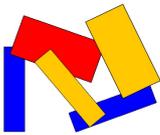


Schreibe die Zahl in die Tabelle.



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



 <p>Quadrat</p>	 <p>Puzzleteile</p>
A 	
B 	
C 	
D 	
E 	

4.



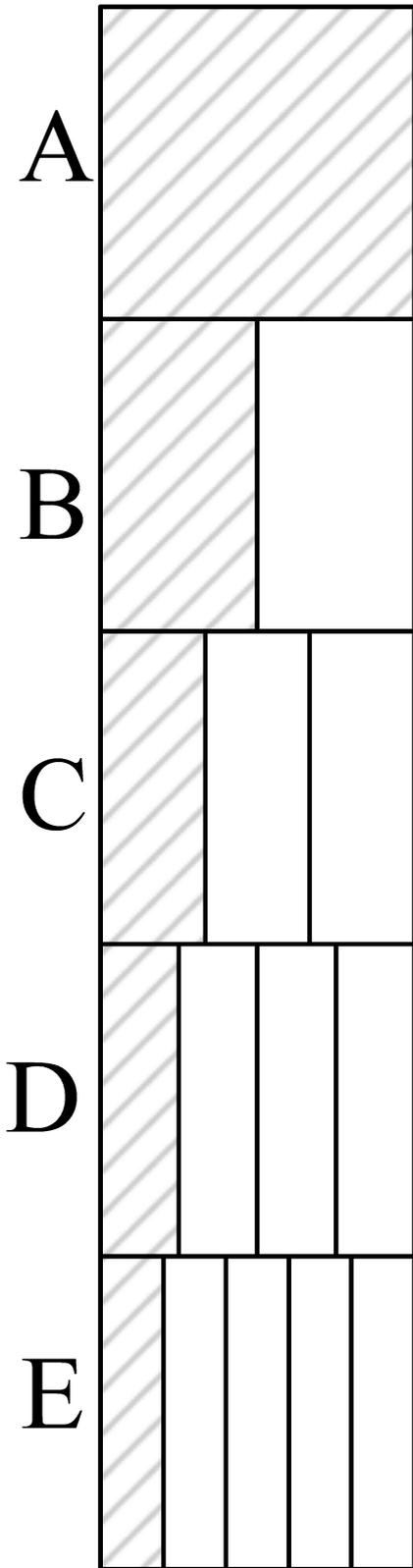
Schaue dir Video 1 an. Denke an die Kopfhörer.



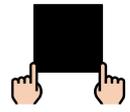
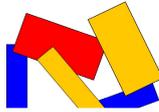
Mache Übung 1.



Schreibe die fehlenden Bruchzahlen wie in Quadrat A auf.



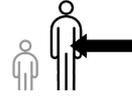
5.



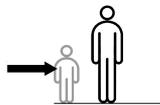
Nimm aus jedem Quadrat 1 Puzzeteil. Jetzt ordne sie der Größe nach.



1 Ganzes



Schreibe die Bruchzahlen auf. Beginne mit der Größten.



1 Ganzes

Wie heißt die nächst kleinere Bruchzahl ?

V

V

V

V

V

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—
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—
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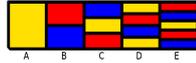
1
—

1
—
1

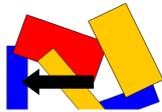
?



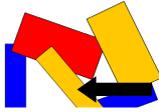
6.



Schaue dir das Bild an.



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



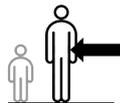
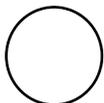
Male die gelben Puzzelteile aus Quadrat D in das rechte Quadrat.



1 Ganzes

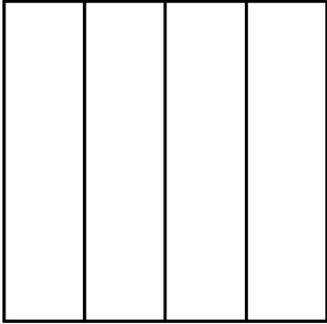


Schreibe die Bruchzahlen unter die Quadrate.

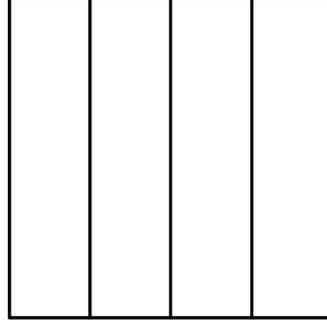


1 Ganzes

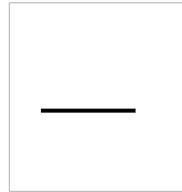
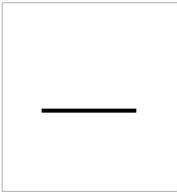
Umkreise die größere Bruchzahl.



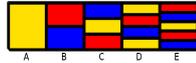
**D**



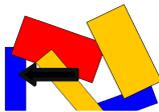
**D**



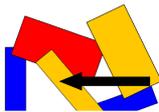
7.



Schaue dir das Bild an.



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



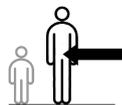
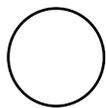
Male die gelben Puzzelteile aus Quadrat D in das rechte Quadrat.



1 Ganzes

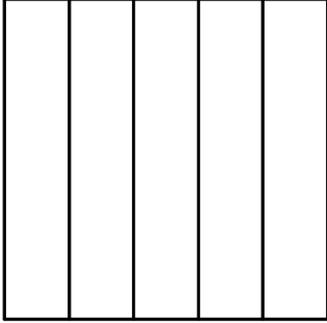


Schreibe die Bruchzahlen unter die Quadrate.

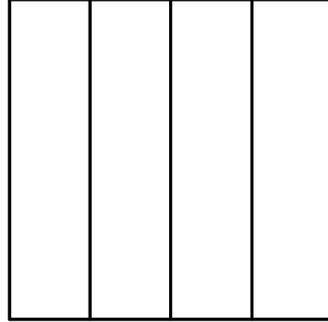


1 Ganzes

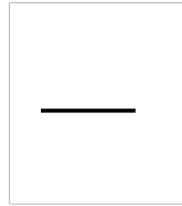
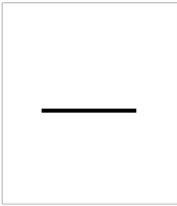
Umkreise die größere Bruchzahl.



**E**



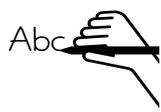
**D**



## Zusatzaufgabe

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

Denke dir eine Bruchzahl aus.



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

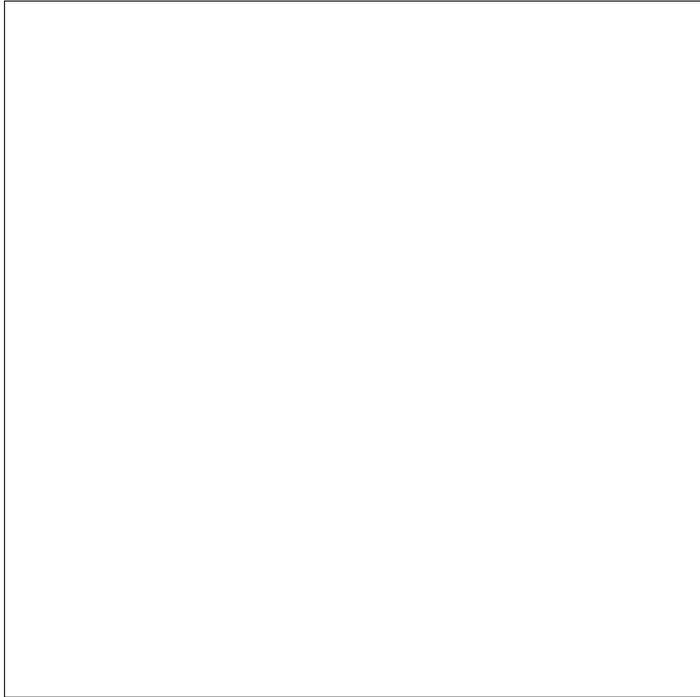
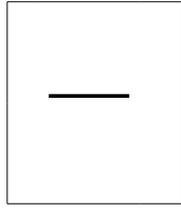
Schreibe die Bruchzahl auf.



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



Male die Bruchzahl in das Quadrat.



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[www.mathe-labor.de](http://www.mathe-labor.de)

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