



기초가 튼튼해지는

도둑도둑 수학

분수1

똑같이 나누기!

똑같이 나누는 활동을 통해
분수의 의미를 이해할 수 있어요.





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책을 펴내며

수학을 어려워하는 학생과 수학에 자신 있는 학생

교실에서 수학을 어려워하거나 흥미가 없는 학생은 뚜렷한 특징이 있습니다. 수학의 여러 영역 중 특히 수의 개념을 이해하지 못하거나, 연산 과정에서 실수가 잦고, 유창하게 문제를 해결하지 못한다는 점입니다. 반면 수학에 자신이 있는 학생은 복잡한 계산도 금세 해결하고 매우 정확하게 문제를 해결하며, 어려운 문제에도 도전하려는 태도를 보입니다.

모든 학생들이 수학에 자신감을 갖길 바라며

초등학교에서 경험하는 수학 공부는 이후 학생들의 수학 학습의 성취와 태도에 큰 영향을 줍니다. 따라서 우리는 기초를 튼튼하게 익힐 수 있도록 도와주어야 합니다. 이러한 선생님들의 고민과 자발적 연구를 통해 ‘토닥토닥 수학’을 만들었습니다.

‘토닥토닥 수학’은 수학에서 기본이 되는 수감각을 토대로 수와 연산 영역을 보다 의미 있게 공부할 수 있게 도와주는 교재입니다.



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토닥토닥 수학



이렇게 활용하세요

본 교재는 한 차시를 4쪽으로 편성하고, 문제에 따라 차이는 있지만 보통 10~15분 안에 해결할 수 있도록 구성하였습니다. 그러므로 수학 교육과정을 운영하는 데 있어 보조교재로 활용할 수 있을 것입니다. 학급의 여건에 따라 수학 시간, 아침 활동 시간, 방과 후 과제, 온라인 학습 등에 쓰일 수 있습니다. 또한 이전 학습에 어려움을 겪는 학생을 위한 보충 교재로도 사용할 수 있습니다.

교실에 있는 모든 학생들이 선생님과 함께 수학의 기초를 '토닥토닥' 잘 쌓아가서 수학에 자신감을 갖게 되길 바랍니다.

이 책의 특징

1

기초 연산을 튼튼하게

이전 학습 내용을 꾸준히 다지며 새로운 학습을 쉽게 배울 수 있습니다.

문제 풀이 문제

① $52 + 9 = (\quad)$ ② $49 + 4 = (\quad)$
 ③ $68 + 6 = (\quad)$ ④ $35 + 9 = (\quad)$

2

수 감각으로 배우는 연산의 원리

구체물을 통해 눈으로 수 개념을 확인하며 연산의 원리를 배울 수 있습니다.

①

②

3 덧셈을 해 보세요.

보기 (세 자리 수) + (세 자리 수) 계산하기

백 모형 2개 200
십 모형 13개 130
일 모형 13개 13
200+130+13=343

①

②

3

보기를 보며 스스로 문제 해결

보기의 설명을 따라하다 보면 스스로 문제를 해결할 수 있습니다.

보기 (세 자리 수) + (세 자리 수) 계산하기

백 모형 2개 200
십 모형 13개 130
일 모형 13개 13
200+130+13=343

= 343

4

반복을 통한 연산 유창성 향상

충분한 연습 기회를 제공하여 연산 유창성을 높일 수 있습니다.

6 곱셈을 해 보세요.

보기 (두 자리 수) × (한 자리 수) 계산하기

①

②

③

④

⑤

⑥

⑦ $53 \times 3 = \square$

⑧ $93 \times 3 = \square$

①

		5	1
×		2	

		2	

②

		5	3
×		2	

		2	

③

		6	4
×		2	

		2	

기초가 튼튼해지는

도도도도도

수학

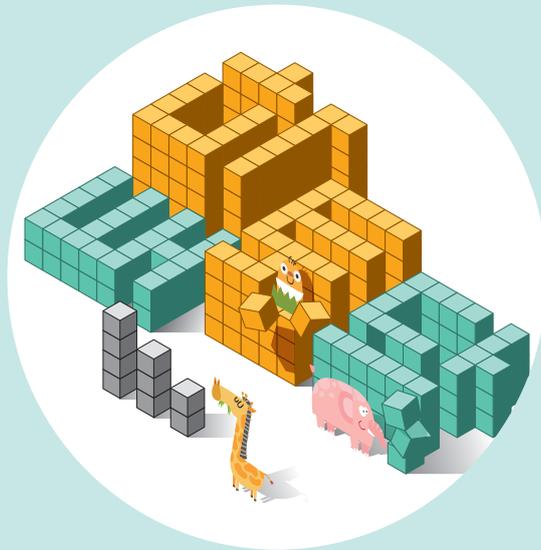
목차



중요한 개념을
쉽게 이해해 보자!

순서	내용	쪽수
① 회	똑같이 나누어요	1쪽
② 회	분수를 알아볼까요	5쪽
③ 회	분수의 크기를 비교해 볼까요 (1)	9쪽
④ 회	분수의 크기를 비교해 볼까요 (2)	13쪽
정답		18쪽

매일매일 학습하는 습관은 중요합니다. 계획을 세우고 꾸준히 실천해 보세요.

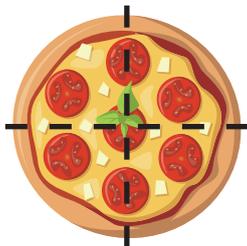


똑같이 나누어요

1 회

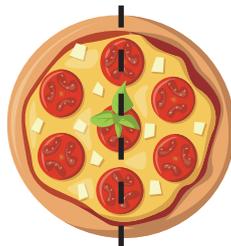
1 몇 조각으로 똑같이 나누어져 있는지 써 보세요.

보기



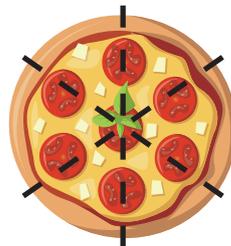
4 조각

①



조각

②



조각

③



조각

④



조각

⑤



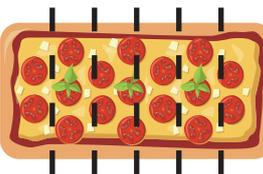
조각

⑥



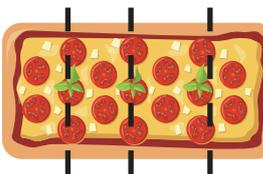
조각

⑦



조각

⑧

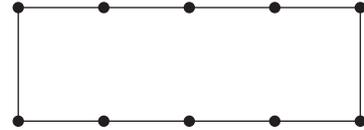
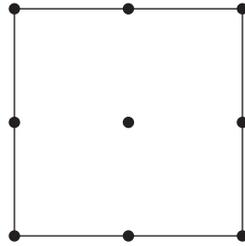
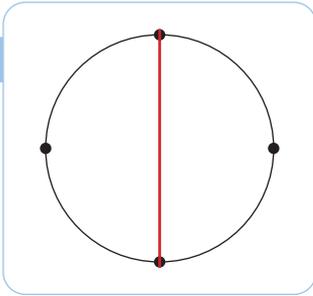


조각

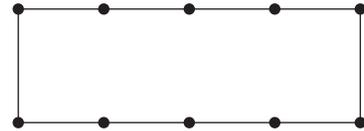
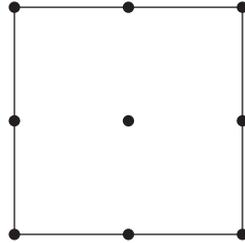
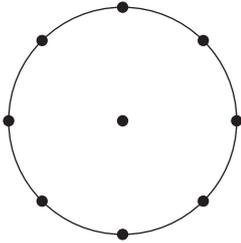


2 다음 모양을 똑같이 2조각으로 나누어 보세요.

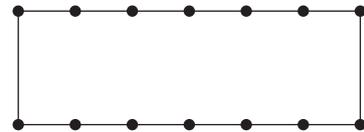
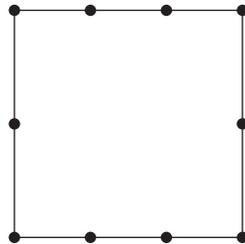
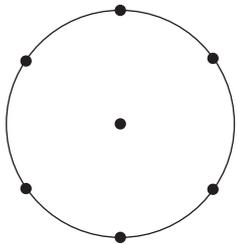
보기



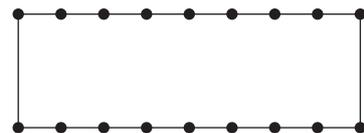
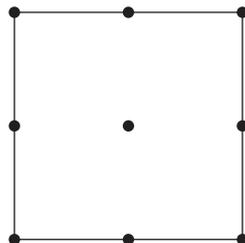
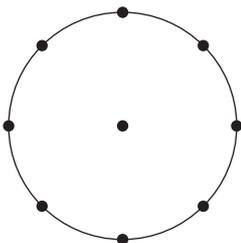
3 다음 모양을 똑같이 4조각으로 나누어 보세요.



4 다음 모양을 똑같이 6조각으로 나누어 보세요.

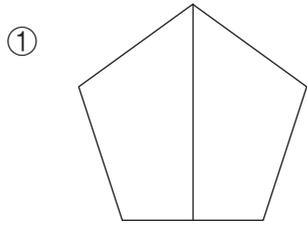


5 다음 모양을 똑같이 8조각으로 나누어 보세요.

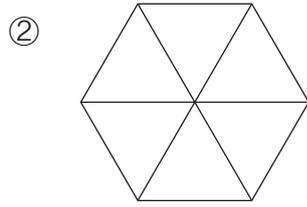




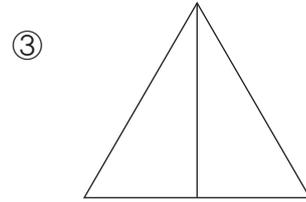
6 몇 조각으로 똑같이 나누어져 있는지 써 보세요.



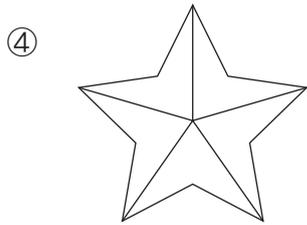
조각



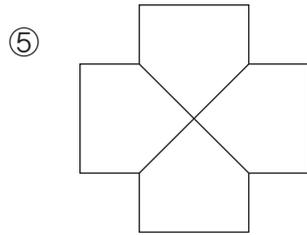
조각



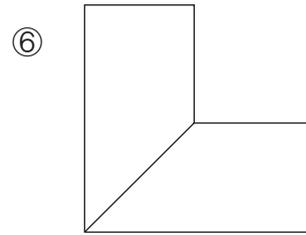
조각



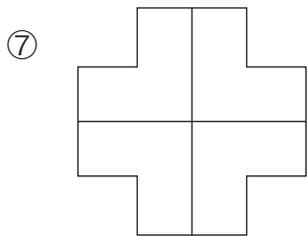
조각



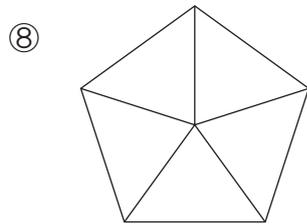
조각



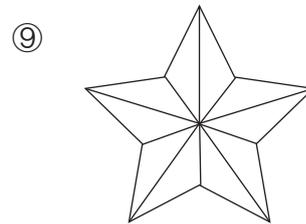
조각



조각



조각



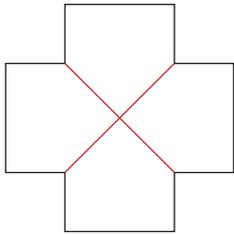
조각



7 조각의 개수대로 도형을 똑같이 나누어 보세요.

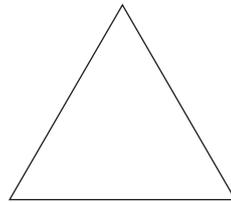
보기

4 조각



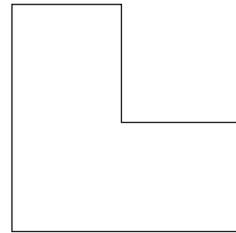
①

2 조각



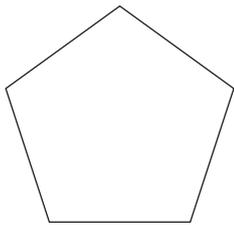
②

2 조각



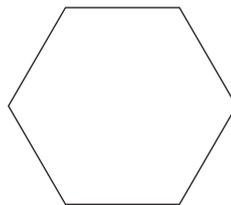
③

2 조각



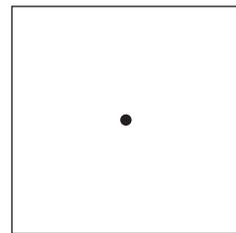
④

2 조각



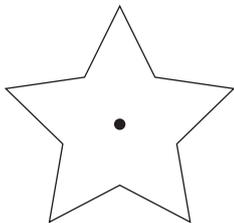
⑤

4 조각



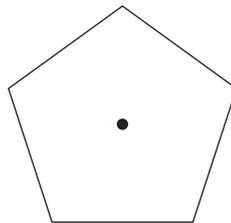
⑥

5 조각



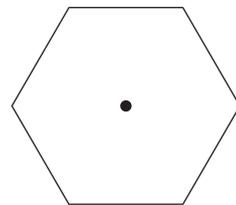
⑦

5 조각



⑧

6 조각

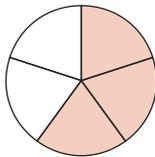


분수를 알아볼까요

2 회

1 빈칸에 분수를 쓰고 알맞게 이어보세요.

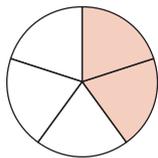
보기



$$\frac{3}{5}$$

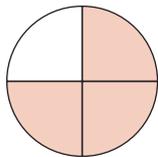
“5분의 3”

전체를 똑같이 5로 나눈 것 중의 3



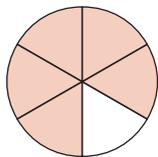
$$\frac{2}{5}$$

• 4분의 3



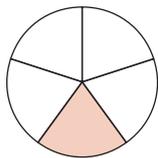
$$\frac{\square}{\square}$$

• 5분의 2



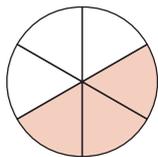
$$\frac{\square}{\square}$$

• 전체를 똑같이 6으로 나눈 것 중의 3



$$\frac{\square}{\square}$$

• 6분의 5



$$\frac{\square}{\square}$$

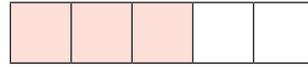
• 전체를 똑같이 5로 나눈 것 중의 1



2 <보기>와 같이 색칠하고 분수로 나타내어 보세요.

보기

$\frac{1}{5}$ 이 3개 있으면



$$\frac{3}{5}$$

① $\frac{1}{4}$ 이 2개 있으면



$$\frac{\quad}{\quad}$$

② $\frac{1}{6}$ 이 2개 있으면



$$\frac{\quad}{\quad}$$

③ $\frac{1}{8}$ 이 4개 있으면



$$\frac{\quad}{\quad}$$

④ $\frac{1}{5}$ 이 2개 있으면



$$\frac{\quad}{\quad}$$

⑤ $\frac{1}{4}$ 이 3개 있으면

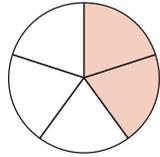


$$\frac{\quad}{\quad}$$



3 색칠된 부분과 색칠하지 않은 부분을 분수로 나타내어 보세요.

보기

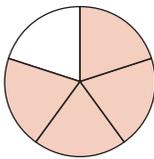


$$\frac{2}{5}$$

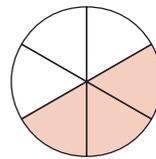
색칠된 부분

$$\frac{3}{5}$$

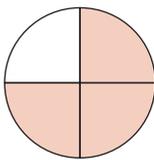
색칠하지 않은 부분



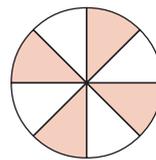
$$\frac{4}{5}$$



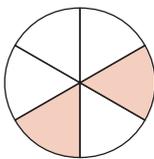
$$\frac{3}{6}$$



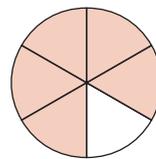
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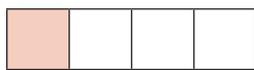
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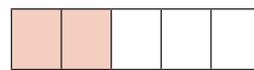
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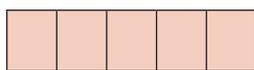
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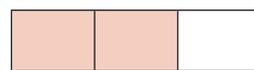
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$$\frac{\quad}{\quad}$$



$$\frac{\quad}{\quad}$$



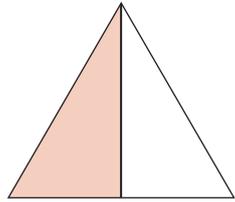
$$\frac{\quad}{\quad}$$



4 <보기>처럼 주어진 분수만큼 나누고 색칠해 보세요.

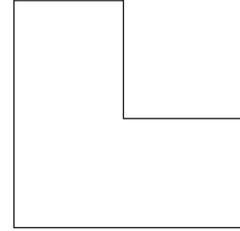
보기

$$\frac{1}{2}$$



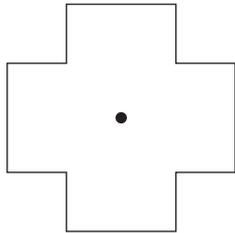
①

$$\frac{1}{2}$$



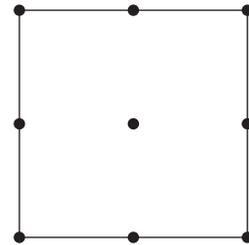
②

$$\frac{1}{2}$$



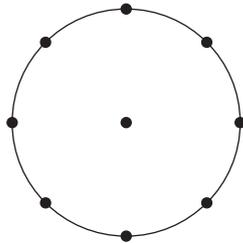
③

$$\frac{1}{4}$$



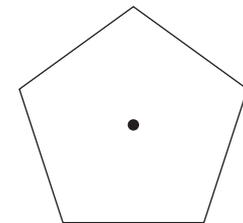
④

$$\frac{2}{4}$$



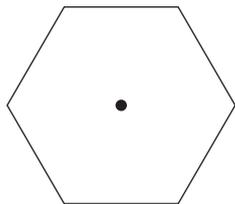
⑤

$$\frac{4}{5}$$



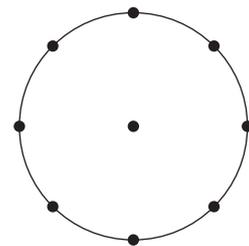
⑥

$$\frac{2}{6}$$



⑦

$$\frac{2}{8}$$





분수의 크기를 비교해 볼까요 (1)

1 <보기>처럼 주어진 분수를 쓰고 분수의 크기를 비교해 보세요.

보기

	$\frac{2}{5}$	$<$	$\frac{4}{5}$	
--	---------------	-----	---------------	--

①

	$\frac{3}{4}$	$○$	$\frac{\quad}{4}$	
--	---------------	-----	-------------------	--

②

	$\frac{\quad}{5}$	$○$	$\frac{3}{5}$	
--	-------------------	-----	---------------	--

③

	$\frac{\quad}{\quad}$	$○$	$\frac{\quad}{\quad}$	
--	-----------------------	-----	-----------------------	--

④

	$\frac{\quad}{\quad}$	$○$	$\frac{\quad}{\quad}$	
--	-----------------------	-----	-----------------------	--

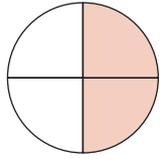
⑤

	$\frac{\quad}{\quad}$	$○$	$\frac{\quad}{\quad}$	
--	-----------------------	-----	-----------------------	--



2 <보기>처럼 주어진 분수를 쓰고 분수의 크기를 비교해 보세요.

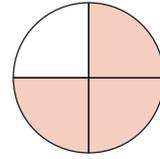
보기



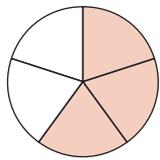
$$\frac{2}{4}$$



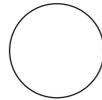
$$\frac{3}{4}$$



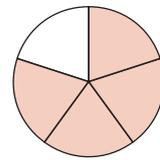
①



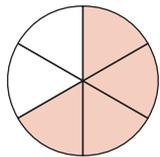
$$\frac{\quad}{\quad}$$



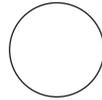
$$\frac{\quad}{\quad}$$



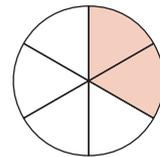
②



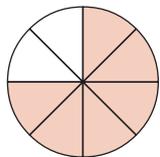
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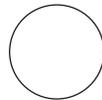
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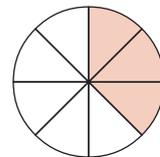
③



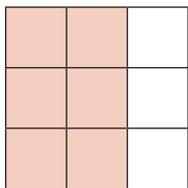
$$\frac{\quad}{\quad}$$



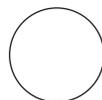
$$\frac{\quad}{\quad}$$



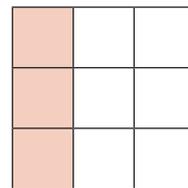
④



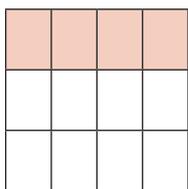
$$\frac{\quad}{\quad}$$



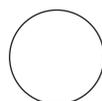
$$\frac{\quad}{\quad}$$



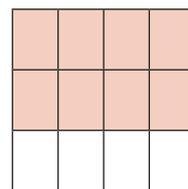
⑤



$$\frac{\quad}{\quad}$$



$$\frac{\quad}{\quad}$$





3 <보기>처럼 부분을 보고 전체를 그려 보세요.

보기

$\frac{1}{4}$

$\frac{1}{3}$

$\frac{1}{6}$

$\frac{1}{5}$

4 <보기>처럼 부분을 보고 전체를 그려 보세요.

보기

$\frac{1}{4}$

$\frac{1}{2}$

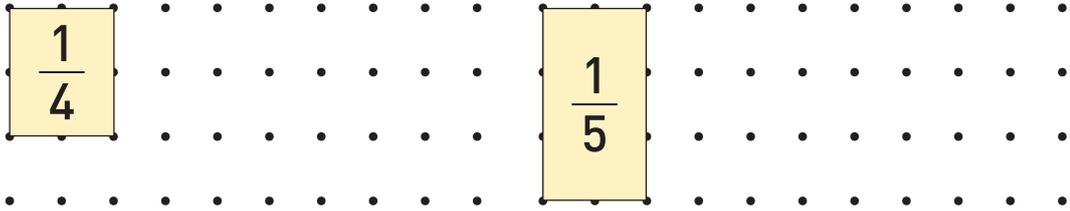
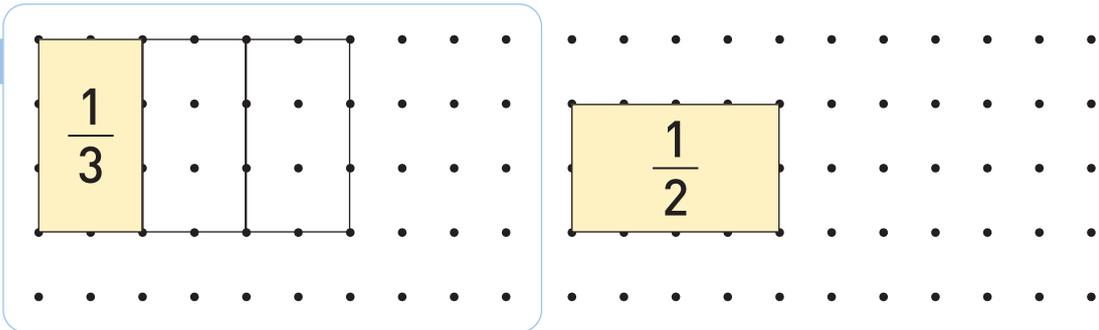
$\frac{1}{3}$

$\frac{1}{5}$



5 <보기>처럼 부분을 보고 전체를 그려 보세요.

보기



6 두 분수의 크기를 비교해 보세요.

$$\frac{3}{4} \bigcirc \frac{2}{4} \quad \frac{4}{5} \bigcirc \frac{2}{5} \quad \frac{2}{6} \bigcirc \frac{5}{6}$$

$$\frac{3}{7} \bigcirc \frac{5}{7} \quad \frac{5}{8} \bigcirc \frac{3}{8} \quad \frac{9}{12} \bigcirc \frac{10}{12}$$

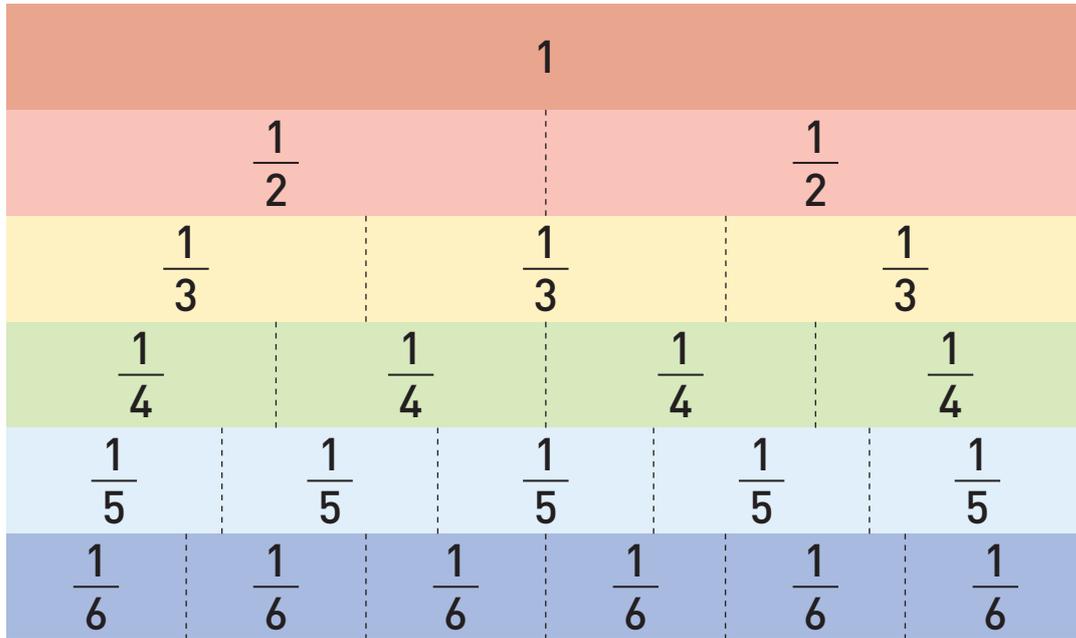
7 다음 분수 중에서 $\frac{3}{7}$ 보다 큰 분수를 모두 찾아 O표 하세요.

$\frac{5}{7}$ $\frac{1}{7}$ $\frac{6}{7}$ $\frac{2}{7}$ $\frac{4}{7}$



분수의 크기를 비교해 볼까요 (2)

1 분수막대를 보고 빈 칸에 알맞은 분수를 써 보세요.



$\frac{1}{3}$ 이 1개 있으면 $\frac{\square}{\square}$, 2개 있으면 $\frac{\square}{\square}$

$\frac{1}{4}$ 이 2개 있으면 $\frac{\square}{\square}$, 3개 있으면 $\frac{\square}{\square}$

$\frac{1}{5}$ 이 3개 있으면 $\frac{\square}{\square}$, 4개 있으면 $\frac{\square}{\square}$

$\frac{1}{6}$ 이 4개 있으면 $\frac{\square}{\square}$, 5개 있으면 $\frac{\square}{\square}$



2 가장 큰 분수를 찾아 O표 하세요.

①

$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{3}$
---------------	---------------	---------------

②

$\frac{1}{5}$	$\frac{1}{2}$	$\frac{1}{6}$
---------------	---------------	---------------

③

$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$
---------------	---------------	---------------

3 빈 칸에 알맞은 분수를 써 보세요.

1					
$\frac{1}{2}$					
□					
□					
□					
□					

4 두 분수의 크기를 비교해 보세요.

$\frac{1}{5} \bigcirc \frac{1}{4}$

$\frac{1}{5} \bigcirc \frac{1}{7}$

$\frac{1}{8} \bigcirc \frac{1}{3}$

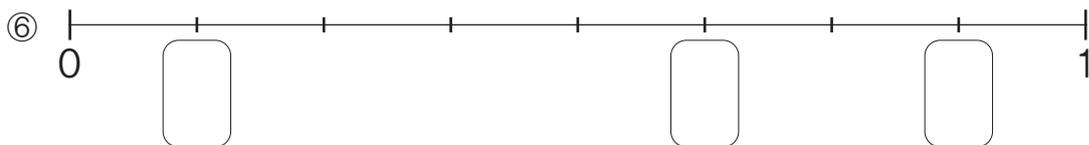
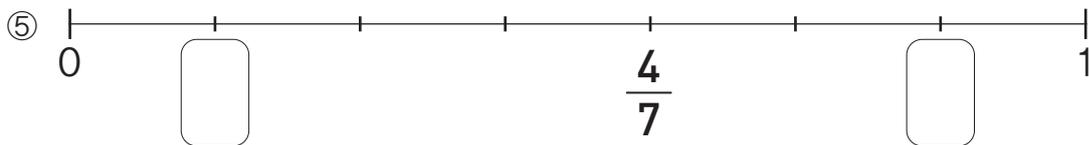
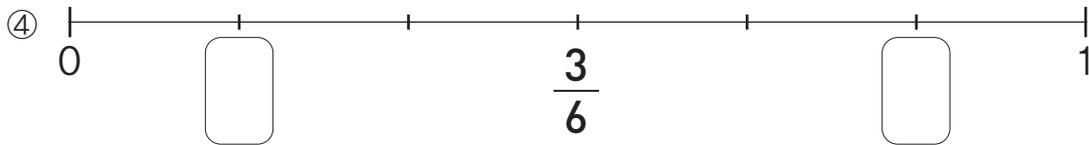
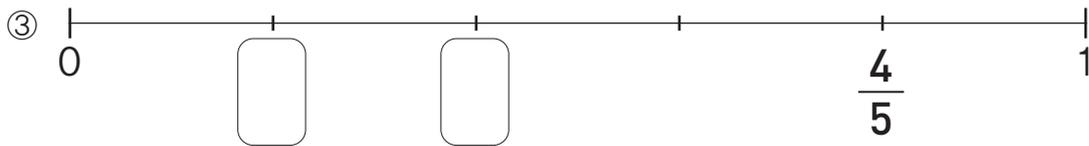
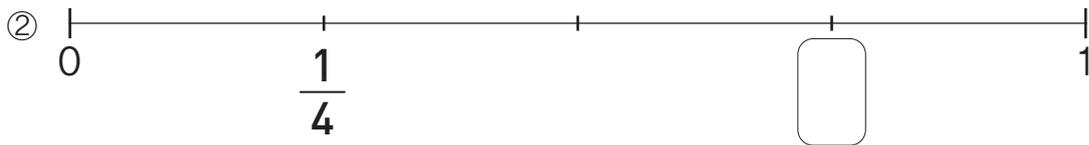
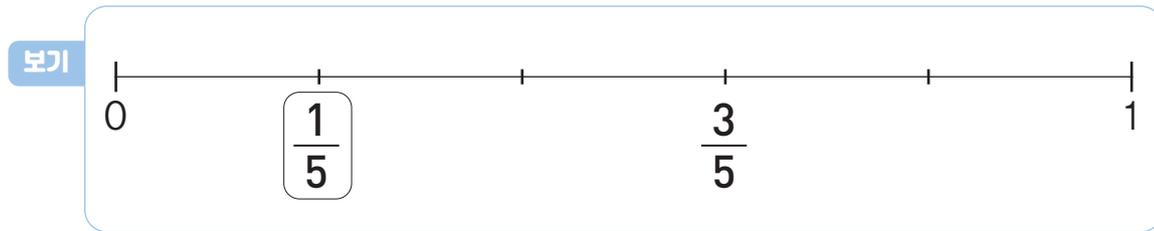
$\frac{1}{5} \bigcirc \frac{4}{5}$

$\frac{3}{6} \bigcirc \frac{7}{6}$

$\frac{2}{3} \bigcirc \frac{1}{3}$



5 <보기>처럼 수직선에 알맞은 분수를 써 보세요.





6 <보기>처럼 부분을 보고 전체를 그려 보세요.

보기

7 <보기>처럼 부분을 보고 전체를 그려 보세요.

보기

도움말) 단위분수 $\frac{1}{4}$ 을 먼저 찾고 전체를 그려 보세요.



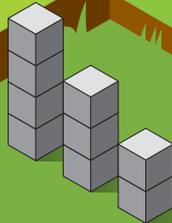
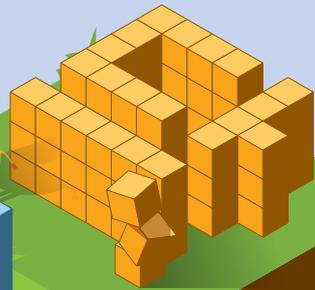
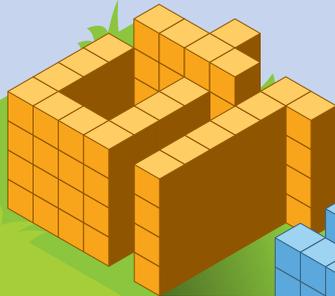


기초가 튼튼해지는
도둑도둑
수학

분수1

똑같이 나누기

정답

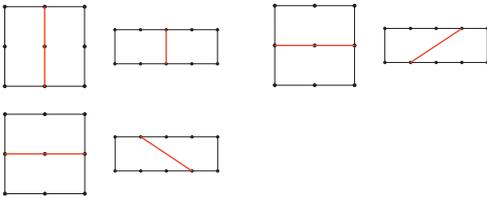


1
회

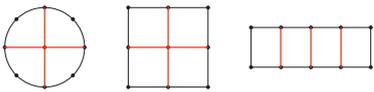
똑같이 나누어요

- 1 ① **2** ② **6** ③ **2**
 ④ **4** ⑤ **8** ⑥ **3**
 ⑦ **6** ⑧ **4**

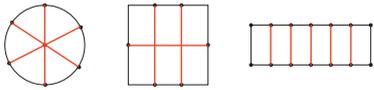
2 정답예시



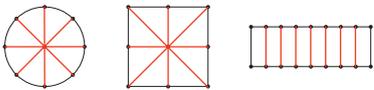
3 정답예시



4



5

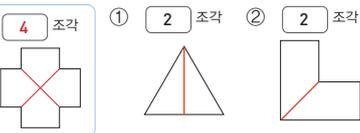


- 6** ① **2** ② **6** ③ **2**
 ④ **5** ⑤ **4** ⑥ **2**
 ⑦ **4** ⑧ **5** ⑨ **10**

7

보기 **4** 조각 ① **2** 조각 ② **2** 조각

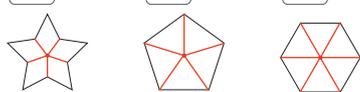
정답예시



③ **2** 조각 ④ **2** 조각 ⑤ **4** 조각



⑥ **5** 조각 ⑦ **5** 조각 ⑧ **6** 조각



2
회

분수를 알아볼까요

- 1**
- $\frac{2}{4}$ 4분의 3
 - $\frac{3}{4}$ 5분의 2
 - $\frac{5}{6}$ 전체를 똑같이 6으로 나눈 것 중의 3
 - $\frac{1}{5}$ 6분의 5
 - $\frac{3}{6}$ 전체를 똑같이 5로 나눈 것 중의 1

- 2**
- ① $\frac{2}{4}$
 - ② $\frac{2}{6}$
 - ③ $\frac{4}{8}$
 - ④ $\frac{2}{5}$
 - ⑤ $\frac{3}{4}$

- 3**
- $\frac{4}{5}$ $\frac{1}{5}$ $\frac{3}{6}$ $\frac{3}{6}$
 - $\frac{3}{4}$ $\frac{1}{4}$ $\frac{4}{8}$ $\frac{4}{8}$
 - $\frac{2}{6}$ $\frac{4}{6}$ $\frac{5}{6}$ $\frac{1}{6}$
 - $\frac{1}{4}$ $\frac{3}{4}$ $\frac{2}{5}$ $\frac{3}{5}$
 - $\frac{5}{5}$ $\frac{0}{5}$ $\frac{2}{3}$ $\frac{1}{3}$

4

보기

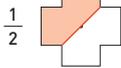
정답예시



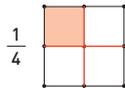
①



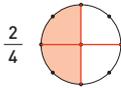
②



③



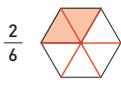
④



⑤



⑥



⑦



3 분수의 크기를 비교해 볼까요 (1)

1

$$\frac{3}{4} > \frac{1}{4}$$

2

$$\frac{3}{5} < \frac{4}{5}$$

$$\frac{1}{5} < \frac{3}{5}$$

$$\frac{4}{6} > \frac{2}{6}$$

$$\frac{3}{6} < \frac{5}{6}$$

$$\frac{6}{8} > \frac{3}{8}$$

$$\frac{5}{6} > \frac{3}{6}$$

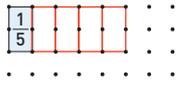
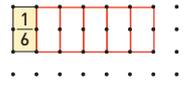
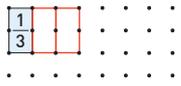
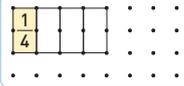
$$\frac{6}{9} > \frac{3}{9}$$

$$\frac{2}{3} > \frac{1}{3}$$

$$\frac{4}{12} < \frac{8}{12}$$

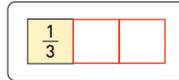
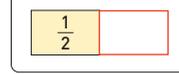
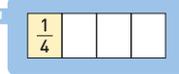
3

보기



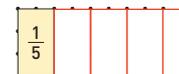
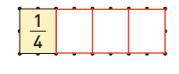
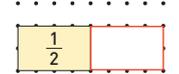
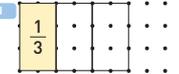
4

보기



5

보기



6

$$\frac{3}{4} > \frac{2}{4}$$

$$\frac{4}{5} > \frac{2}{5}$$

$$\frac{2}{6} < \frac{5}{6}$$

$$\frac{3}{7} < \frac{5}{7}$$

$$\frac{5}{8} > \frac{3}{8}$$

$$\frac{9}{12} < \frac{10}{12}$$

7

$$\frac{5}{7} > \frac{1}{7} > \frac{6}{7} > \frac{2}{7} > \frac{4}{7}$$



4 분수의 크기를 비교해 볼까요 (2)

1

$$\frac{1}{3} > \frac{2}{3}$$

$$\frac{2}{4} > \frac{3}{4}$$

$$\frac{3}{5} > \frac{4}{5}$$

$$\frac{4}{6} > \frac{5}{6}$$

2

$$\frac{1}{4} < \frac{1}{2} < \frac{1}{3}$$

$$\frac{1}{5} < \frac{1}{2} < \frac{1}{6}$$

$$\frac{1}{3} < \frac{1}{4} < \frac{1}{6}$$

3

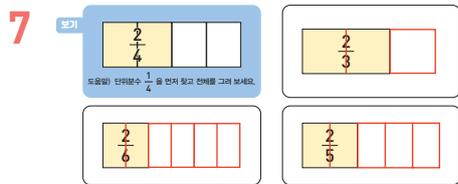
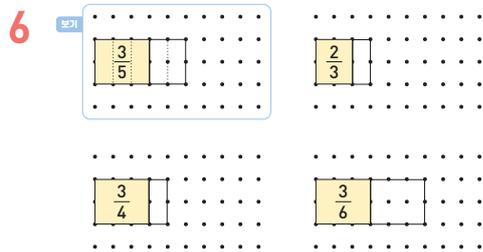
$$\frac{1}{3} > \frac{1}{4}$$

$$\frac{1}{5} > \frac{1}{6}$$

$$\frac{1}{5} > \frac{1}{6}$$

4 $\frac{1}{5} < \frac{1}{4}$ $\frac{1}{5} > \frac{1}{7}$ $\frac{1}{8} < \frac{1}{3}$
 $\frac{1}{5} < \frac{4}{5}$ $\frac{3}{6} < \frac{7}{6}$ $\frac{2}{3} > \frac{1}{3}$

5 ① $\frac{1}{3}$ ② $\frac{3}{4}$ ③ $\frac{1}{5}$ $\frac{2}{5}$
 ④ $\frac{1}{6}$ $\frac{5}{6}$ ⑤ $\frac{1}{7}$ $\frac{6}{7}$
 ⑥ $\frac{1}{8}$ $\frac{5}{8}$ $\frac{7}{8}$





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똑같이 나누기!

총괄

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집필진

초등수리력연구회

발행일 2025년 12월

발행인 인천광역시교육감

발행처 인천광역시교육청

* 교육용 교재 활용 이외에 저작권자 및 출판권자 동의 없이 무단복제 및 인쇄·배포는 금합니다.



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