



Fractions Through Space



Equivalent Fractions and Unlike Denominators



Name:

Date:



Section 1: Match the Models

Look at the bars. Write the equivalent fraction.



Example



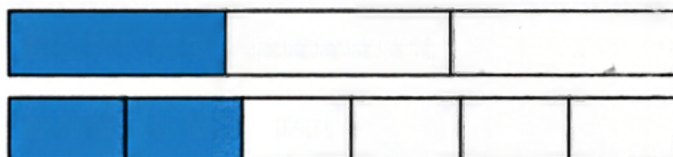
$$\frac{1}{2} = \frac{2}{4}$$

1



$$\frac{1}{2} = \frac{\boxed{}}{6}$$

2



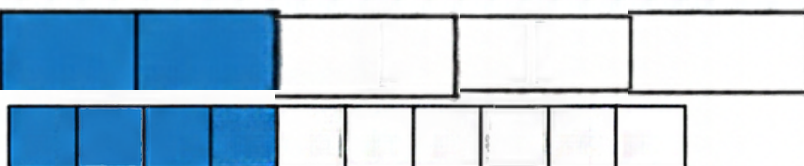
$$\frac{1}{3} = \frac{\boxed{}}{6}$$

3



$$\frac{3}{4} = \frac{\boxed{}}{8}$$

4



$$\frac{2}{5} = \frac{\boxed{}}{10}$$

5



$$\frac{1}{4} = \frac{\boxed{}}{8}$$





Section 2: Find Equivalent Fractions

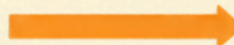
Multiply the top and bottom by the same number.

Example

$$\frac{2}{3} = \frac{\boxed{?}}{6}$$



multiply
top and
bottom by 2



$$\frac{2}{3} = \frac{4}{6}$$

1)

$$\frac{1}{2} = \frac{\boxed{}}{8}$$

2)

$$\frac{3}{5} = \frac{\boxed{}}{10}$$

3)

$$\frac{2}{3} = \frac{\boxed{}}{12}$$

4)

$$\frac{3}{4} = \frac{\boxed{}}{12}$$

5)

$$\frac{5}{6} = \frac{\boxed{}}{18}$$





Section 3: Common Denominators

Rewrite both fractions with the same denominator.

Example

$$\frac{1}{2} \text{ and } \frac{1}{3} \text{ become } \frac{3}{6} \text{ and } \frac{2}{6}$$

1 $\frac{1}{2}$ and $\frac{1}{4}$ become

and

2 $\frac{1}{3}$ and $\frac{1}{6}$ become

and

3 $\frac{1}{2}$ and $\frac{2}{3}$ become

and

4 $\frac{3}{4}$ and $\frac{1}{6}$ become

and

5 $\frac{2}{5}$ and $\frac{1}{2}$ become

and





Fractions Through Space

Section 4



Section 4: Add Unlike Fractions

Rewrite with a common denominator, then add.

Example

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

1 $\frac{1}{2} + \frac{1}{4} =$ $+$ $=$

2 $\frac{1}{3} + \frac{1}{9} =$ $+$ $=$

3 $\frac{1}{2} + \frac{1}{5} =$ $+$ $=$

4 $\frac{3}{4} + \frac{1}{8} =$ $+$ $=$

5 $\frac{1}{3} + \frac{1}{4} =$ $+$ $=$





Fractions Through Space



Answer Key



Teacher Copy



Section 1

1) 3

2) 2

3) 6

4) 4

5) 2

Section 2

1) 4

2) 6

3) 8

4) 9

5) 15

Section 3

1) $\frac{2}{4}$ and $\frac{1}{4}$ 2) $\frac{2}{6}$ and $\frac{1}{6}$ 3) $\frac{3}{6}$ and $\frac{4}{6}$ 4) $\frac{9}{12}$ and $\frac{2}{12}$ 5) $\frac{4}{10}$ and $\frac{5}{10}$

Section 4

1) $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

2) $\frac{1}{3} + \frac{1}{9} = \frac{4}{9}$

3) $\frac{1}{2} + \frac{1}{5} = \frac{7}{10}$

4) $\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$

5) $\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$

