Names (group) _____ Date _____

Sharing Pies

Example



3 pies are shared among 5 children. We cut each pie into 5 equal pieces and every child takes one piece from each pie.

Every child gets 3 fifths of a pie (the pieces of one colour).

$3 \div 5 = \frac{3}{5}$

Remember

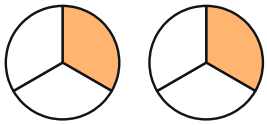
The fraction bar means **division**: $\frac{3}{5} = 3 \div 5$. The numerator is what we share, the denominator is how many equal shares we make.

1 IN A GROUP Cut out paper pies and share them fairly. Glue one child's pieces onto one plate. Write how much each child gets.

Pies	Children	Each child gets	Division
1	4	$\frac{\square}{\square}$ of a pie	$1 \div 4 = \frac{\square}{\square}$
2	3	$\frac{\square}{\square}$ of a pie	$2 \div 3 = \frac{\square}{\square}$
3	4	$\frac{\square}{\square}$ of a pie	$3 \div 4 = \frac{\square}{\square}$
2	5	$\frac{\square}{\square}$ of a pie	$2 \div 5 = \frac{\square}{\square}$
4	6	$\frac{\square}{\square}$ of a pie	$4 \div 6 = \frac{\square}{\square}$

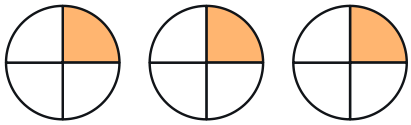
Name _____ Date _____

2 ON YOUR OWN The pies are shared among some children. One child's pieces are coloured. Write the division and the fraction.

a) 

2 pies, 3 children

□ ÷ □ = □/□

b) 

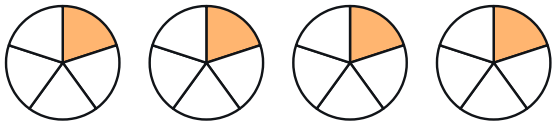
3 pies, 4 children

□ ÷ □ = □/□

c) 

1 pie, 5 children

□ ÷ □ = □/□

d) 

4 pies, 5 children

□ ÷ □ = □/□

3 ON YOUR OWN Write each division as a fraction and each fraction as a division.

$5 \div 8 = \frac{\square}{\square}$ $\quad 2 \div 9 = \frac{\square}{\square}$ $\quad \frac{4}{7} = \square \div \square$

$\frac{1}{6} = \square \div \square$ $\quad 6 \div 7 = \frac{\square}{\square}$ $\quad \frac{5}{9} = \square \div \square$

4 IN PAIRS **A story.** One student makes up a sharing story for 4 ÷ 5, and the other draws it and writes the answer. Then swap roles for 2 ÷ 3.

5 ON YOUR OWN **Exit card.** Four children share 3 pizzas. How much does each child get?

□ ÷ □ = □/□