

## Divide Fractions by Integers 1

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1a. The missing digit in all the calculations is the same. Find the missing number.

A.  $\frac{4}{\square} \div 2 = \frac{2}{6}$

B.  $\frac{12}{15} \div \square = \frac{2}{15}$

C.  $\frac{\square}{7} \div 3 = \frac{2}{7}$



PS

1b. The missing digit in all the calculations is the same. Find the missing number.

A.  $\frac{10}{\square} \div 5 = \frac{2}{12}$

B.  $\frac{24}{30} \div \square = \frac{2}{30}$

C.  $\frac{\square}{15} \div 6 = \frac{2}{15}$



PS

2a. Josh and Kelly are calculating

$$\frac{4}{10} \div 2.$$



Josh

The answer is  $\frac{2}{10}$ .



Kelly

The answer is  $\frac{2}{5}$ .

Who is correct?  
Explain how you know.



R

2b. Vlad and Chan are calculating

$$\frac{6}{12} \div 3.$$



Chan

The answer is  $\frac{3}{6}$ .



Vlad

The answer is  $\frac{2}{12}$ .

Who is correct?  
Explain how you know.



R

3a. Felix has  $\frac{6}{8}$  of his pizza left.

He wants to share them between himself and two friends.

Write the calculation.

What fraction of pizza does each child get?



PS

3b. Natalie has  $\frac{8}{10}$  of a box of crackers left.

She wants to share them between herself and three friends.

Write the calculation.

What fraction of crackers does each child get?



PS

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4a. The missing digit in all the calculations is the same. Find the missing number.

A.  $\frac{8}{\square} \div 4 = \frac{2}{8}$

B.  $\frac{24}{30} \div \square = \frac{3}{30}$

C.  $\frac{\square}{16} \div 2 = \frac{4}{16}$



PS

4b. The missing digit in all the calculations is the same. Find the missing number.

A.  $\frac{21}{\square} \div 7 = \frac{3}{28}$

B.  $\frac{28}{40} \div \square = \frac{1}{40}$

C.  $\frac{\square}{40} \div 7 = \frac{4}{40}$



PS

5a. Cian and Lucy are calculating  $\frac{16}{8} \div 4$ .



Cian

The answer is  $\frac{4}{2}$ .

The answer is  $\frac{4}{8}$ .



Lucy

Who is correct?  
Explain how you know.



R

5b. Ben and Steph are calculating  $\frac{18}{12} \div 6$ .



Ben

The answer is  $\frac{18}{2}$ .

The answer is  $\frac{3}{12}$ .



Steph

Who is correct?  
Explain how you know.



R

6a. Alice has  $\frac{15}{18}$  of her packet of sweets left.

She wants to share them between herself and four friends.

Write the calculation.

What fraction of sweets does each child get?



PS

6b. Lex has  $\frac{28}{30}$  of a packet of biscuits left.

He wants to share them between himself and six friends.

Write the calculation.

What fraction of biscuits does each child get?



PS

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7a. The missing digit in all the calculations is the same. Find the missing number.

A.  $1 \frac{6}{\square} \div 3 = \frac{6}{12}$

B.  $2 \frac{4}{10} \div \square = \frac{2}{10}$

C.  $\frac{\square}{5} \div 4 = \frac{3}{5}$



PS

7b. The missing digit in all the calculations is the same. Find the missing number.

A.  $\frac{12}{\square} \div 6 = \frac{2}{3}$

B.  $7 \frac{1}{2} \div \square = \frac{5}{2}$

C.  $1 \frac{\square}{4} \div 7 = \frac{1}{4}$



PS

8a. Lana and Hafsa are calculating

$8 \frac{8}{11} \div 8$ .



Lana

The answer is  $\frac{12}{11}$ .



Hafsa

The answer is  $\frac{11}{11}$ .

Who is correct?  
Explain how you know.



R

8b. Pete and Chloe are calculating

$2 \frac{6}{9} \div 3$ .



Pete

The answer is  $\frac{8}{9}$ .



Chloe

The answer is  $\frac{24}{3}$ .

Who is correct?  
Explain how you know.



R

9a. Johnny has  $5 \frac{10}{12}$  of his packet of sweets left.

He wants to share them between himself and six friends.

Write the calculation.

What fraction of sweets does each child get?



PS

9b. Clark has  $2 \frac{8}{12}$  layers of a box of chocolates left.

He wants to share them between himself and seven friends.

Write the calculation.

What fraction of chocolates does each child get?



PS