

05.01.21

Main Activity Answers

$$\begin{aligned}\frac{2}{5} \times 6 &= \frac{12}{5} / 2 \frac{2}{5} \\ \frac{3}{4} \times 8 &= \frac{24}{4} / 6 \\ \frac{2}{3} \times 5 &= \frac{10}{3} / 3 \frac{1}{3} \\ \frac{5}{6} \times 7 &= \frac{35}{6} / 5 \frac{5}{6} \\ \frac{3}{5} \times 4 &= \frac{12}{5} / 2 \frac{2}{5}\end{aligned}$$

$$\begin{aligned}\frac{5}{7} \times 6 &= \frac{30}{7} / 4 \frac{2}{7} \\ \frac{3}{6} \times 9 &= \frac{27}{6} / 4 \frac{3}{6}\end{aligned}$$

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Main Activity Answers

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1. $\frac{1}{2} \div 3 = \frac{1}{6}$

2. $\frac{1}{2} \div 4 = \frac{1}{8}$

3. $\frac{1}{2} \div 5 = \frac{1}{10}$

4. $\frac{1}{3} \div 2 = \frac{1}{6}$

5. $\frac{1}{3} \div 3 = \frac{1}{9}$

6. $\frac{1}{3} \div 4 = \frac{1}{12}$

7. $\frac{1}{4} \div 2 = \frac{1}{8}$

8. $\frac{1}{4} \div 3 = \frac{1}{12}$

9. $\frac{1}{4} \div 5 = \frac{1}{20}$

10. $\frac{1}{5} \div 2 = \frac{1}{10}$

11. $\frac{1}{5} \div 3 = \frac{1}{15}$

12. $\frac{1}{5} \div 4 = \frac{1}{20}$

Think. Cake showing half split into six equal parts (twelfths).

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1. $\frac{1}{3} \div 5 = \frac{1}{15}$

2. $\frac{1}{3} \div 2 = \frac{1}{6}$

3. $\frac{1}{3} \div 4 = \frac{1}{12}$

4. $\frac{1}{3} \div 3 = \frac{1}{9}$

5. $\frac{1}{4} \div 4 = \frac{1}{16}$

6. $\frac{1}{4} \div 2 = \frac{1}{8}$

7. $\frac{1}{4} \div 5 = \frac{1}{20}$

8. $\frac{1}{4} \div 10 = \frac{1}{40}$

9. $\frac{1}{5} \div 3 = \frac{1}{15}$

10. $\frac{1}{5} \div 4 = \frac{1}{20}$

11. $\frac{1}{5} \div 5 = \frac{1}{25}$

12. $\frac{1}{5} \div 10 = \frac{1}{50}$

Think. $\frac{1}{2} \div 9 = \frac{1}{18}$, $\frac{1}{9} \div 2 = \frac{1}{18}$,
 $\frac{1}{6} \div 3 = \frac{1}{18}$, $\frac{1}{3} \div 6 = \frac{1}{18}$

Handwritten math problems on a piece of paper:

$$\frac{2}{3} \div 4 = \frac{2}{12} / \frac{1}{6}$$
$$\frac{3}{5} \div 3 = \frac{3}{15} / \frac{1}{5}$$
$$\frac{4}{6} \div 7 = \frac{4}{42} / \frac{2}{21}$$
$$\frac{5}{8} \div 5 = \frac{5}{40} / \frac{1}{8}$$

Handwritten math problems on a piece of paper:

$$\frac{2}{7} \div 6 = \frac{2}{42} / \frac{1}{21}$$
$$\frac{3}{4} \div 4 = \frac{3}{16}$$
$$\frac{6}{8} \div 9 = \frac{6}{72} / \frac{1}{12}$$

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Main Activity Answers

Solving word problems involving fractions



1. Three children share $\frac{1}{2}$ a pizza. What fraction of the pizza do they each eat? $\frac{1}{6}$
2. Four children each eat $\frac{1}{6}$ of a pizza. What fraction of the pizza do they eat altogether? $\frac{2}{3}$
3. Two children share $\frac{3}{4}$ of a pizza. What fraction do they each eat? $\frac{3}{8}$
4. Two children share $\frac{1}{5}$ of a cheesecake. What fraction do they each eat? $\frac{1}{10}$
5. Four children each eat $\frac{2}{5}$ of a cheesecake. How much cheesecake do they eat altogether? $1\frac{3}{5}$
6. One child eats $\frac{1}{2}$ a pizza and the other eats $\frac{3}{8}$. How much do they eat altogether? $\frac{7}{8}$
7. There is $\frac{2}{3}$ of a pizza left. One child eats another $\frac{1}{6}$ of the pizza. How much is left now? $\frac{1}{2}$

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Extension Activity Answers

Answers

Have you mastered multiplying and dividing fractions by whole numbers?

a. $\frac{12}{5} = 2\frac{2}{5}$

b. $\frac{30}{4} = \frac{15}{2} = 7\frac{1}{2}$

c. $\frac{2}{12} = \frac{1}{6}$

Champions' Challenge

1. There are three possibilities: $\frac{3}{4} \times 5$, $\frac{3}{5} \times 4$ and $\frac{4}{5} \times 3$
2. The last two number sentences give the same answer.
3. This will always happen when any three digits are used.



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Arithmetic Answers

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Arithmetic

1. $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$
2. $\frac{4}{6} - \frac{1}{3} = \frac{2}{6}$ or $\frac{1}{3}$
3. $4729 - 1387 = 3342$
4. $429 \times 6 = 2574$
5. $391.23 \div 100 = 3.9123$
6. $7.129 \times 1000 = 7129$
7. $2^2 + 3^2 = 13$
8. $\frac{2}{6} \times 4 = \frac{8}{6} = 1\frac{2}{6}$ or $1\frac{1}{3}$
9. $\frac{3}{4}$ of $720 = 540$
10. $1456 \div 4 = 364$