Warm Up

1.		e school collected aluminum ows the number of cans	Year	Cans Collected
	collected during a four-year period. What is the approximate percent increase in the number of cans collected from 2010 to 2013?		2010	673
1			2011	723
	(A) 60% (C) 40%	_	2012	814
		2013	1,010	
	® 50%	① 30%		1,010

2. Terry walks around her neighborhood each morning for exercise. She walks 18 blocks is one direction, turns right, walks another 14 blocks, then completes the rectangle to get back to her home. On days she needs to babysit her grandchildren, she only walks ³/₄ of her normal route. How many blocks long is her walk on days she needs to babysit her grandchildren?

Warm Up

Students at a middle school collected aluminum cans. The table shows the number of cans collected during a four-year period. What is the approximate percent increase in the number of cans collected from 2010 to 2013?

➂	60%
®	50%

0	40%
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-		
W.	20	0/
(D)	30	1/0

0	<u>~</u> riginal -	3	13 = 5007
1	Year		Cans Collected
to annual to	2010	4.00	673
	2011	•	723
	2012	1	814
910	ر <u>2</u> 013 م		1,010

Daily HW Check:

Box 9: Multilying Fractions # 2 Box 10: Multilying Fractions # 7

1)
$$5 \times 10^{-50}$$

3) $\frac{1}{2} \times \frac{1}{3} = \frac{1}{10}$

4) $\frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$

5) $\frac{1}{4} \times \frac{1}{10} = \frac{1}{10} = \frac{2(\frac{1}{3})}{5(\frac{1}{3})} = \frac{2}{5}$

6) $\frac{1}{4} \times \frac{2}{4} = \frac{1}{4}$

7) $\frac{5}{10} \times \frac{3}{4} - \frac{15}{40} = \frac{4(\frac{1}{3})}{5(\frac{1}{3})} = \frac{3}{8}$

8) $\frac{2}{3} \times \frac{3}{10} = \frac{1}{30} = \frac{1}{6(\frac{1}{3})} = \frac{1}{5}$

9) $\frac{4}{5} \times \frac{1}{3} = \frac{1}{15}$

10) $\frac{2}{5} \times \frac{2}{3} = \frac{1}{15}$

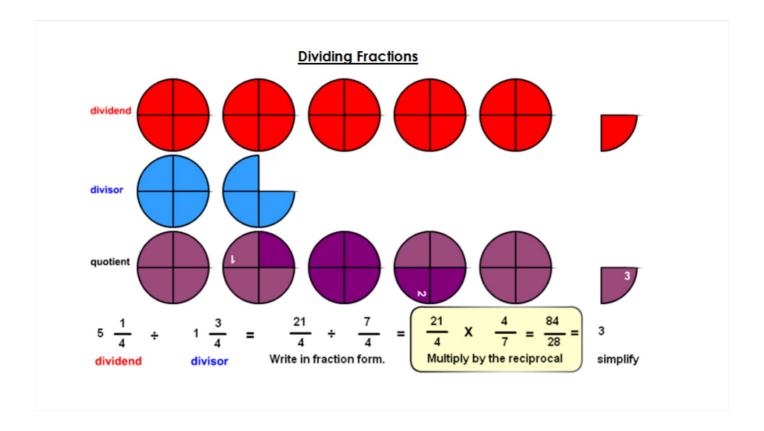
10) $\frac{2}{5} \times \frac{2}{3} = \frac{1}{15}$

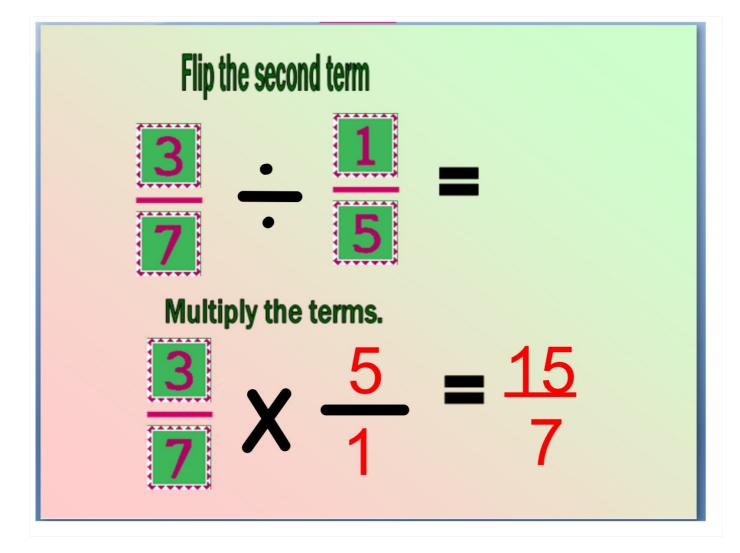
11) $2 \times \frac{2}{5} = \frac{2}{1} \times \frac{2}{5} = \frac{4}{5}$ inches

2) $3 \times \frac{3}{8} = \frac{3}{1} \times \frac{3}{8} = \frac{9}{1}$ bins bottles

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

Pividing Fractions





Example 2: Divide the following.

7.
$$\frac{2}{5} \div \frac{4}{5} =$$

$$\frac{2}{5} \div \frac{4}{5} = \frac{2}{5} \times \frac{8}{4} = \frac{2}{4} \div \frac{2(1)}{4(2)} \left(\frac{1}{2}\right)$$

8.
$$\frac{1}{2} \div \frac{1}{5} =$$

$$\frac{1}{2} \times \frac{5}{5} = \frac{5}{5}$$

9.
$$\frac{1}{3} \div \frac{2}{7} =$$

10.
$$\frac{3}{4} \div \frac{1}{6} =$$

11.
$$\frac{1}{5} \div \frac{4}{5} =$$

$$\frac{1}{8} \cdot \frac{5}{4} = \frac{1}{4}$$

12.
$$\frac{1}{2} \div \frac{6}{5} =$$

$$\frac{1}{2} \cdot \frac{5}{6} = \frac{5}{12}$$

13.
$$\frac{1}{2} \div \frac{2}{7} = \frac{7}{4}$$

14.
$$\frac{9}{4} \div \frac{1}{6} =$$

$$\frac{9}{4} \times \frac{6}{1} = \frac{27}{2}$$
(2) **

Homework

Name: Teacher:

1)
$$4\frac{1}{5} \div 3\frac{1}{2} =$$

1)
$$4\frac{1}{5} \div 3\frac{1}{2} = 6$$
) $3\frac{4}{5} \div 2\frac{1}{3} =$

2)
$$4\frac{1}{5} \div 3\frac{7}{10} = 7$$
) $4\frac{1}{10} \div 4\frac{4}{5} = 3$. If it rained the same amount each day for 3 days and the total amount of rain received was 3 1/3 inches, how much

3)
$$2\frac{2}{3} \div 3\frac{2}{5} = 8$$
) $3\frac{3}{5} \div 3\frac{1}{2} = 4$. A rope that is $\frac{3}{4}$ in length is cut into 2 pieces of equal length. How long is each

4)
$$3\frac{7}{10} \div 4\frac{1}{3} = 9$$
) $4\frac{1}{3} \div 3\frac{1}{2} = 5$. Four students are participating in a relay race that is 2 1/3 miles long. If each student runs that same distance how far does each student run?

5)
$$2\frac{1}{3} \div 4\frac{1}{4} = 10$$
) $2\frac{1}{2} \div 2\frac{3}{5} = 6$

- 1. Two children share 2 ½ chocolate bars with each child getting the same amount. How much does each child get? Solve with a drawing.
- Four brothers inherit 30 ½ acres of land altogether. They decide to share it equally. How much land does each equally. How much land does each brother get? Solve with a drawing.
 - received was 3 1/3 inches, how much did it rain each day?
 - piece? Solve with a drawing.
 - 5. Four students are participating in a each student runs that same distance, how far does each student run?
 - 6. Click and Clack decide to take a journey in their classic '52 MG. The whole journey is 625 1/2 miles long and they want to complete the journey in 3 days, traveling exactly the same distance each day. How far must they travel each day?
- 7. Two pizzas are cut so that each person at a party receives ¼ pizza, how many people are at the party?
- 8. Ten bananas were used for making pies for a bake sale. If 2 1/2 bananas were used for each pie, how many pies were made?