

NAME _____

Fractions Quiz 2

- Two chisels in a starter set have the widths $\frac{1}{4}$ inch and $\frac{3}{4}$ inch. What is the difference in inches between the two widths? Simplify if possible. (7-1)
 - $\frac{1}{8}$
 - $\frac{1}{4}$
 - $\frac{1}{2}$
 - $\frac{5}{8}$
- A standard bowling lane is $41\frac{1}{2}$ inches wide. The width of a bowling lane and one gutter is $50\frac{13}{16}$ inches. What is the width of the gutter? (7-6)
 - $8\frac{1}{2}$ in.
 - $8\frac{5}{16}$ in.
 - $9\frac{5}{16}$ in.
 - $9\frac{6}{7}$ in.
- What is $4\frac{1}{3} + 6\frac{4}{5}$? (7-5)
 - $11\frac{4}{5}$
 - $11\frac{2}{15}$
 - $10\frac{5}{8}$
 - $10\frac{2}{15}$
- In sewing, the width of a seam is the distance from the edge of the fabric to the stitches. Susannah sews a $\frac{5}{8}$ -inch seam for clothing and a $\frac{1}{4}$ -inch seam for quilts. What is the difference between these seam widths, in inches? (7-3)
 - $\frac{1}{2}$
 - $\frac{3}{8}$
 - $\frac{1}{4}$
 - $\frac{1}{8}$

5. Which expression is the best estimate for $6\frac{1}{2} - 4\frac{2}{3}$? (7-4)

A $7 - 5$

B $7 - 4$

C $6 + 5$

D $6 + 4$

6. The table shows the lengths of 3 babies born in a hospital one day. How many inches longer was Peter than Abigail? (7-6)

Baby	Length (inches)
Abigail	$19\frac{1}{2}$
Peter	$20\frac{1}{4}$
Charles	$21\frac{3}{4}$

A $1\frac{3}{4}$

B $1\frac{1}{2}$

C $1\frac{1}{4}$

D $\frac{3}{4}$

7. What is the sum of $\frac{3}{4}$ and $\frac{3}{4}$? (7-1)

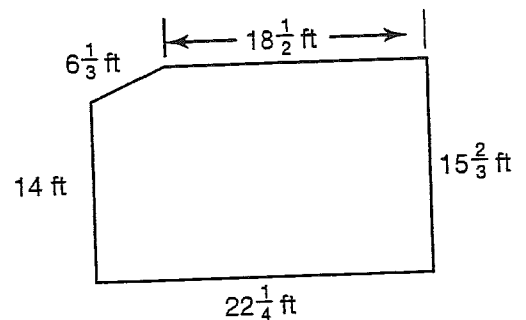
A $2\frac{1}{4}$

B $1\frac{1}{2}$

C $1\frac{1}{4}$

D $\frac{3}{4}$

8. Estimate the distance around this building.



9. At Captain Moo's milk stand, Steven ordered chocolate milk made in the following proportions: $\frac{1}{4}$ chocolate syrup, $\frac{2}{3}$ milk and the rest whipped cream.

a.) What fraction of Steven's drink will be whipped cream? Show your work.

b.) Steven changes his mind and decides that he wants the whipped cream in his drink replaced with more milk. Now what fraction of his drink will be milk? Show your work or explain your reasoning.

10. Mr. Patterson decided to take his nieces and nephews out for pizza. He ordered four large pizzas. His nieces and nephews ate the following amounts:

Nathan ate $\frac{1}{3}$ of a pizza

Matthew ate $\frac{7}{12}$ of a pizza

Lauren ate $\frac{2}{12}$ of a pizza

Leah ate $\frac{1}{12}$ of a pizza

Joel ate $\frac{1}{2}$ of a pizza

Reese ate $\frac{5}{12}$ of a pizza

Luke ate $\frac{2}{3}$ of a pizza

a.) How many pizzas did the kids eat altogether? Show your work.

b.) How many pizzas were left? Show your work.

11. Solve the following problems and show your work. Be sure to reduce and simplify your answers completely.

a.) $\frac{4}{7} + \frac{2}{3} =$

b.) $\frac{3}{8} + \frac{2}{5} =$

c.) $5\frac{1}{4} + 3\frac{1}{2} =$

d.) $\frac{9}{5} - \frac{1}{6} =$

12. Estimate the sums and differences to the nearest whole number.

a.) $\frac{2}{3} - 1\frac{1}{4}$

b.) $4\frac{3}{4} + \frac{5}{8}$

13. **Make a table** to answer the following question. **Include labels.**

Mr. Patterson wants to buy a Justin Bieber concert ticket (he's a huge fan). The ticket costs \$90.00. Mr. Patterson gets a \$30.00 allowance for folding laundry each week (he does it blindfolded and in the dark). If he saves half of the money he earns each week, how many weeks will it take him to save the money so he can sing with Justin at the concert?

