

Question
 $2\frac{1}{4} \times 2\frac{1}{2}$

	2	$\frac{1}{4}$
2	$2 \times 2 = 4$	$2 \times \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$
$\frac{1}{2}$	$2 \times \frac{1}{2} = \frac{2}{2} = 1$	$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

$$4 + 1 + \frac{1}{2} + \frac{1}{8} =$$

$$5 + \frac{1^4}{2} + \frac{1}{8}$$

$$5 + \frac{4}{8} + \frac{1}{8}$$

$$\boxed{5\frac{5}{8}}$$

	2	$\frac{1}{4}$
1	$2 \times 1 = 2$	$\frac{1}{1} \times \frac{1}{4} = \frac{1}{4}$
$\frac{1}{2}$	$\frac{2}{1} \times \frac{1}{2} = \frac{2}{2} = 1$	$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

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

$2 + 1 + \frac{1}{4} + \frac{1}{8}$
 $3 + \frac{1}{4} + \frac{1}{8}$
 $3 + \frac{2}{4} + \frac{1}{8}$
 $3 + \frac{2}{4} + \frac{1}{8}$
 $3 + \frac{2}{4} + \frac{1}{8}$
 $3 + \frac{2}{4} + \frac{1}{8}$

5. a) $2\frac{3}{10}$
 $10 \times 2 + 3$
 $\frac{23}{10}$

b) $4\frac{1}{8}$
 $4 \times 8 + 1$
 $\frac{33}{8}$

c) $3\frac{5}{6}$
 $3 \times 6 + 5$
 $\frac{23}{6}$

$$\frac{12}{3}$$

$$3 \times 1 + 2$$

$$\checkmark$$
$$3 + 2 = 5$$

$$\boxed{\frac{5}{3}}$$

$$e) \begin{array}{r} 3 + 2 \\ \times 5 \\ \hline \end{array}$$

$$5 \times 3 + 2$$

$$\frac{17}{5}$$

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

$$5 \times 2 + 1$$

$$10 + 1$$

$$11$$

$$2\frac{4}{7}$$

$$2 \times 7 + 4$$

18
7

$$2\frac{9}{5} = 27$$

$$2 \times 5 = 10$$

$$10 + 9 = 19$$

19
5

$$6\frac{2}{3}$$

$$6 \times 3 = 18$$

$$18 + 2 = 20$$

20
3

6. $\frac{11}{3} = 3\frac{2}{3}$

b) $\frac{15}{4} = 3\frac{3}{4}$

$3 \times 3 = 9$

$11 - 9 = 2$

c) $\frac{21}{5} = 4\frac{1}{5}$



d) $\frac{13}{8} = 1\frac{5}{8}$

e) $\frac{19}{6} = 3\frac{1}{6}$

f) $\frac{31}{7} = 4\frac{3}{7}$

h) $\frac{43}{10} = 4\frac{3}{10}$

$\frac{11}{2} = 5\frac{1}{2}$

$5\frac{1}{2}$

$\frac{37}{8} = 4\frac{5}{8}$

$4\frac{5}{8}$

11

$$9a \quad \underline{3} \times 2\frac{1}{4}$$

estimation

$$3 \times 2 = 6$$

$$3 \times 2\frac{1}{4}$$

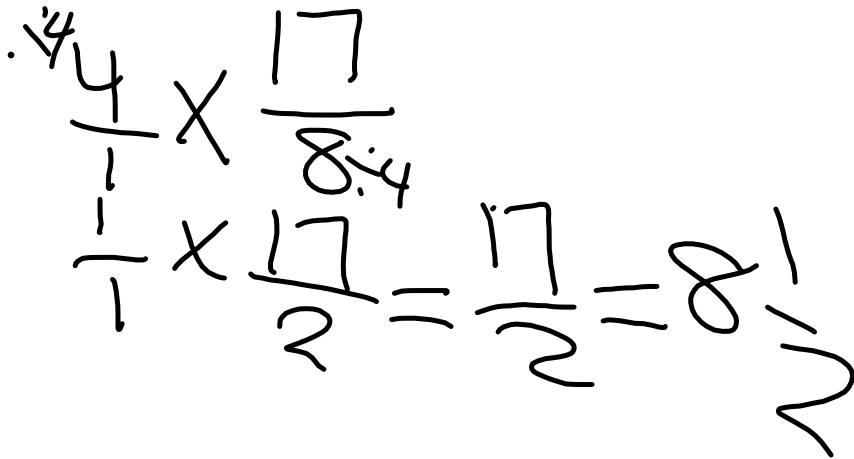
$$\underline{3} \times \frac{9}{4}$$

$$\frac{27}{4} = 6\frac{3}{4}$$

$$4 \times 2\frac{1}{8}$$

$$E. 4 \times 2 = 8$$

$$4 \times 2\frac{1}{8} = 8$$



$$9. c) 1\frac{2}{3} \times 2$$

$$E: 2 \times 2 = 4$$

$$d) 3\frac{1}{5} \times 3$$

$$e: 3 \times 3 = 9$$

$$1\frac{2}{3} \times 2$$

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

$$3\frac{1}{5} \times 3$$

$$\frac{16}{5} \times \frac{3}{1} = \frac{48}{5} = 9\frac{3}{5}$$