

Sept. 11, 2017

$$\underline{(10+2)} \times 10 - 11^2$$

$$= 12 \times 10 - 11^2$$

$$= 12 \times 10 - 121$$

$$= 120 - 121$$

$$= \boxed{-1}$$

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Multiplying and Dividing
Fractions

$\frac{3}{4}$ = numerator

4 = denominator

Ex. 1: put into an improper fraction

a) $3\frac{1}{3}$

multiply 3×3
add 1

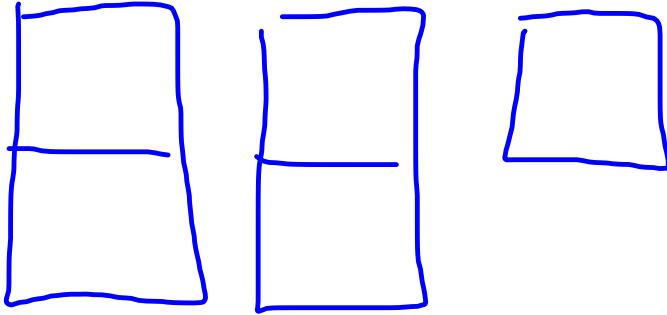
$$= \frac{10}{3}$$

$$b) 4 \frac{1}{8}$$

multiply 8×4
add 1

$$= \frac{33}{8}$$

c) $2\frac{1}{2}$ multiply 2x2
add 1



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

d) $5\frac{3}{4}$

multiply 5×4
add 3

$$= \boxed{\frac{23}{4}}$$

Multiplying Fractions

For this, just multiply straight across (and bring to lowest terms)

e) $\frac{2}{3} \times \frac{4}{5} = \boxed{\frac{8}{15}}$

f) $\frac{7}{2} \times \frac{5}{3} = \boxed{\frac{10}{21}}$

9) $\frac{2}{3} \times \frac{6}{7}$



$\div 3 = \frac{12}{21}$

$= \frac{4}{7}$

check if both numbers can be divided by
2, 3, 5, 10, 100

$$h) \frac{16}{32} \div 8 = \frac{2}{4} \div 2 = \boxed{\frac{1}{2}}$$

$$\frac{15}{32} - \frac{1}{2} - \frac{17}{32} - \frac{9}{16} - \frac{19}{32}$$

