

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Chapter 5 (Applying Fractions)

### Bringing It All Together #2

**Estimate.**

1)  $\frac{1}{2} + \frac{3}{8}$  \_\_\_\_\_

2)  $6\frac{2}{9} - 5\frac{1}{7}$  \_\_\_\_\_

3)  $\frac{13}{15} \times \frac{1}{5}$  \_\_\_\_\_

4)  $15\frac{6}{7} \div 7\frac{2}{3}$  \_\_\_\_\_

5)  $2\frac{3}{47} \times 1\frac{1}{8}$  \_\_\_\_\_

6)  $5\frac{5}{6} + 1\frac{1}{9}$  \_\_\_\_\_

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**Change the following numbers to their reciprocals:**

7)  $\frac{2}{9}$  \_\_\_\_\_

8)  $2\frac{5}{7}$  \_\_\_\_\_

9) 4 \_\_\_\_\_

10)  $12\frac{3}{5}$  \_\_\_\_\_

11) 28 \_\_\_\_\_

12)  $\frac{1}{30}$  \_\_\_\_\_

**Find the multiplicative inverse:**

13) 122 \_\_\_\_\_

14)  $5\frac{7}{11}$  \_\_\_\_\_

15)  $\frac{6}{39}$  \_\_\_\_\_

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**For questions 16-31, add, subtract, multiply, or divide.**

**Write in simplest form. Show work!**

16)  $5\frac{4}{7} + 6\frac{5}{7}$  \_\_\_\_\_

17)  $5\frac{2}{9} - 3\frac{7}{9}$  \_\_\_\_\_

18)  $6 \times 1\frac{3}{4}$  \_\_\_\_\_

19)  $\frac{7}{16} \div \frac{3}{4}$  \_\_\_\_\_

**OVER** →

20)  $\frac{3}{5} + \frac{4}{15}$  \_\_\_\_\_

21)  $\frac{2}{3} \times 4\frac{1}{3}$  \_\_\_\_\_

22)  $5\frac{1}{3} \div 2\frac{2}{9}$  \_\_\_\_\_

23)  $\frac{5}{14} - \frac{2}{21}$  \_\_\_\_\_

24)  $6\frac{2}{9} \times 6\frac{3}{7}$  \_\_\_\_\_

25)  $8\frac{3}{4} \div 7$  \_\_\_\_\_

26)  $5\frac{3}{8} + 8$  \_\_\_\_\_

27)  $6 - 2\frac{4}{7}$  \_\_\_\_\_

28)  $50\frac{1}{4} \div 4\frac{3}{16}$  \_\_\_\_\_

29)  $8\frac{1}{2} - 5\frac{5}{6}$  \_\_\_\_\_

30)  $7\frac{5}{9} + 3\frac{5}{6}$  \_\_\_\_\_

31)  $\frac{35}{48} \times \frac{12}{21}$  \_\_\_\_\_

**OVER**  $\longrightarrow$

For questions 32-36: add, subtract, multiply, or divide.  
Write in simplest form. Show work!

32) Hugo has  $2\frac{1}{2}$  pounds of dog food. He plans to split it equally among his 7 dogs. How much dog food will each dog receive?

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33) Anna was to make 4 sets of curtains. Each set requires  $5\frac{1}{8}$  yards of fabric. How much fabric does she need?

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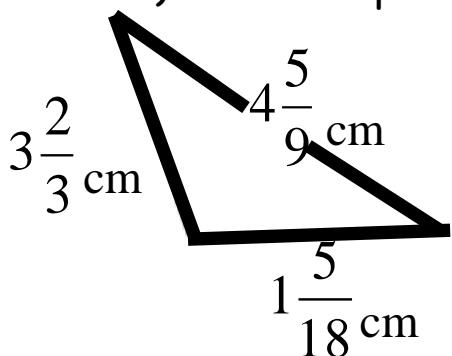
34) Libby practiced guitar  $1\frac{2}{5}$  hours on Tuesday and  $\frac{3}{10}$  hour on Friday. How much did she practice in all those two days?

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35) If Silvia is  $5\frac{1}{4}$  feet tall and Max is  $5\frac{1}{6}$  feet tall. How much shorter is Max than Silvia?

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36) Find the perimeter of the figure.



**FINALLY  
DONE**



# Chapter 5 BIT #2 Answer Key

Estimate.

$$1) \frac{1}{2} + \frac{3}{8} = 1$$
$$\frac{1}{2} + \frac{1}{2}$$

$$2) 6\frac{2}{9} - 5\frac{1}{7} = 1$$
$$6 - 5$$

$$3) \frac{13}{15} \times \frac{1}{5} = 0$$
$$1 \times 0$$

$$4) 15\frac{6}{7} \div 7\frac{2}{3} = 2$$
$$16 \div 8$$

$$5) 2\frac{3}{47} \times 1\frac{1}{8} = 4$$
$$3 \times 1$$

$$6) 5\frac{5}{6} + 1\frac{1}{9} = 7$$
$$6 + 1$$

Change the following numbers to their reciprocals:

$$7) \frac{2}{9} = \frac{9}{2}$$

$$8) 2\frac{5}{7} = \frac{7}{19}$$

$$9) 4 = \frac{1}{4}$$

$$10) 12\frac{3}{5} = \frac{5}{63}$$

$$11) 28 = \frac{1}{28}$$

$$12) \frac{1}{30} = \frac{30}{1}$$

Find the multiplicative inverse:

$$13) 122 = \frac{1}{122}$$

$$14) 5\frac{7}{11} = \frac{11}{62}$$

$$15) \frac{6}{39} = \frac{39}{6}$$

For questions 16-31, add, subtract, multiply, or divide.

Write in simplest form. Show work!

$$16) 5\frac{4}{7} + 6\frac{5}{7} = 12\frac{2}{7}$$

$$17) 5\frac{2}{9} - 3\frac{7}{9} = 1\frac{4}{9}$$

$$18) 6 \times 1\frac{3}{4} = 10\frac{1}{2}$$

$$19) \frac{7}{16} \div \frac{3}{4} = \frac{7}{12}$$

$$20) \frac{3}{5} + \frac{4}{15} = \frac{13}{15}$$

$$21) \frac{2}{3} \times 4\frac{1}{3} = 2\frac{8}{9}$$

$$22) 5\frac{1}{3} \div 2\frac{2}{9} = 2\frac{2}{5}$$

$$23) \frac{5}{14} - \frac{2}{21} = \frac{11}{42}$$

$$24) 6\frac{2}{9} \times 6\frac{3}{7} = 40$$

$$25) 8\frac{3}{4} \div 7 = 1\frac{1}{4}$$

$$26) 5\frac{3}{8} + 8 = 13\frac{3}{8}$$

$$27) 6 - 2\frac{4}{7} = 3\frac{3}{7}$$

$$28) 50\frac{1}{4} \div 4\frac{3}{16} = 12$$

$$29) 8\frac{1}{2} - 5\frac{5}{6} = 2\frac{2}{3}$$

$$30) 7\frac{5}{9} + 3\frac{5}{6} = 11\frac{7}{18}$$

$$31) \frac{35}{48} \times \frac{12}{21} = \frac{5}{12}$$

For questions 32-36: add, subtract, multiply, or divide.  
Write in simplest form. Show work!

32) Hugo has  $2\frac{1}{2}$  pounds of dog food. He plans to split it equally among his 7 dogs. How much dog food will each dog receive?

$$= \frac{5}{14} \text{ pounds}$$

33) Anna was to make 4 sets of curtains. Each set requires  $5\frac{1}{8}$  yards of fabric. How much fabric does she need?

$$= 20\frac{1}{2} \text{ yards}$$

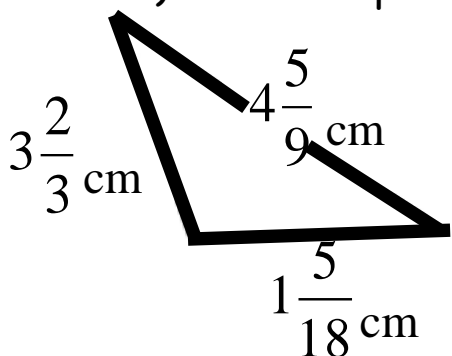
35) Libby practiced guitar  $1\frac{2}{5}$  hours on Tuesday and  $\frac{3}{10}$  hour on Friday. How much did she practice in all those two days?

$$= 1\frac{7}{10} \text{ hours}$$

36) If Silvia is  $5\frac{1}{4}$  feet tall and Max is  $5\frac{1}{6}$  feet tall. How much shorter is Max than Silvia?

$$= \frac{1}{12} \text{ foot}$$

36) Find the perimeter of the figure.



$$= 9\frac{1}{2} \text{ cm}$$

**FINALLY  
DONE**

