Master 5.27

Extra Practice 1

Chapter 5 – Fraction Review of Grade 7

1. Show work and evaluate

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a) $\frac{3}{4} + \frac{1}{6}$ **b)** $\frac{1}{2} + \frac{3}{10}$ **c)** $\frac{1}{2} + \frac{3}{4}$

3. Kelly exercised on Monday and Tuesday.
She recorded the amount of time she spent on each activity
as a fraction of one hour.

a) Calculate how much time Kelly spent on each activity over the two days.
Record each answer as a fraction of one hour.

b) How many minutes did she spend on each activity?

c) How much time did she spend exercising over the two days?
Write your answer in 2 different ways.

Activity	**Monday**	**Tuesday**
Walking	$\frac{1}{4}$ h	$\frac{1}{6}$ h
Running	$\frac{1}{3}$ h	$\frac{1}{2}$ h
Stretching	$\frac{1}{12}$ h	$\frac{1}{6}$ h

4. Buffy and Molly are making punch.
They add $\frac{5}{8}$ cup of water, $\frac{3}{4}$ cup of ginger ale, $\frac{7}{8}$ cup of cranberry juice,
and $\frac{1}{4}$ cup of orange juice to a large punch bowl.
They want to pour the punch into a jug.
Should they use a jug that hold 2 cups of liquid or a jug that hold 3 cups of liquid?
How do you know?

5. Add. (Show work)

a) $\frac{1}{4} + \frac{3}{5}$ **b)** $\frac{5}{8} + \frac{1}{3}$ **c)** $\frac{2}{5} + \frac{1}{8}$ **d)** $\frac{3}{10} + \frac{1}{3}$

e) $\frac{3}{5} + \frac{1}{10}$ **f)** $\frac{3}{10} + \frac{1}{2}$ **f)** $\frac{6}{8} + \frac{3}{4}$ **g)** $\frac{3}{8} + \frac{5}{2}$

h) $\frac{1}{4} + \frac{3}{10}$ **i)** $\frac{5}{6} + \frac{7}{8}$ **j)** $\frac{4}{3} + \frac{1}{6}$ **k)** $\frac{7}{2} + \frac{3}{8}$

5. These are fractions of the students in a class who chose their favourite sport.

Baseball	Basketball	Hockey	Snowboarding	Swimming	Tennis
$\frac{1}{4}$	$\frac{1}{9}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{18}$	$\frac{1}{12}$

Calculate the total fraction of the class that chose:
a) sports played with a ball
b) sports played on a court
c) winter sports
d) sports that use a net

6. Subtract (Show work)

a) $\frac{7}{6} - \frac{2}{3}$ **b)** $\frac{9}{8} - \frac{3}{4}$ **c)** $\frac{13}{10} - \frac{4}{5}$ **d)** $\frac{15}{8} - \frac{3}{2}$

e) $\frac{7}{8} - \frac{2}{3}$ **f)** $\frac{6}{5} - \frac{1}{3}$ **g)** $\frac{5}{4} - \frac{1}{3}$ **h)** $\frac{3}{5} - \frac{1}{4}$

7. Glenn has $\frac{5}{8}$ of a cup of walnuts.

He needs $\frac{2}{3}$ of a cup of walnuts to make a loaf of banana bread.

Does Glenn have enough?
If your answer is yes, explain why it is enough.
If your answer is no, how much more does Glenn need?

8. **a)** $6\frac{2}{3} + 1\frac{1}{5}$ **b)** $2\frac{3}{4} + 5\frac{1}{8}$ **c)** $1\frac{4}{7} + 8\frac{1}{2}$ **d)** $3\frac{3}{5} + 3\frac{1}{4}$

e) $7\frac{1}{2} - 3\frac{1}{4}$ **f)** $12\frac{3}{4} - 6\frac{3}{8}$ **g)** $4\frac{11}{16} - 2\frac{3}{8}$ **h)** $4\frac{2}{3} - 1\frac{1}{2}$

i) $8 - \frac{7}{8}$ **j)** $9 - \frac{2}{5}$ k) $7 - \frac{5}{9}$ **l)** $4 - \frac{1}{6}$

9) Percent of a number

a) 75% of 164 b) 12% of 170 c) 15% of 260 d) 30% of 80