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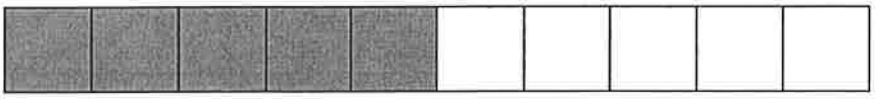
Bundle 5 Test Review
Due: November 28th

1. Stacey and Holly shared a candy bar. The models below are shaded to show the fraction of the candy bar that each of them ate.

Stacey



$\frac{5}{10}$

Holly

$\frac{1}{5}$

What fraction of the candy bar did Stacey and Holly eat altogether?
add

$\frac{5}{10} = \frac{5}{10}$

$+ \frac{1}{5} = \frac{2}{10}$

$\frac{7}{10}$

5+2=7

2. Alexandria and Angie ordered a pizza. Alexandria at $\frac{1}{4}$ of the pizza and Angie ate $\frac{3}{8}$ of the pizza. What fraction of the pizza was left?

$\frac{3}{8} = \frac{3}{8}$

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

$\frac{5}{8}$ of How much they ate.

$\frac{8}{8}$

$- \frac{5}{8}$

$\frac{3}{8}$ left

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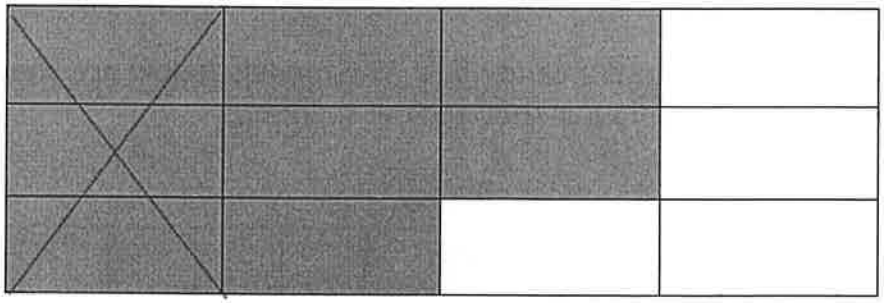
3. The shaded part of the model represents a fraction. Another fraction was subtracted from the first fraction.



$\frac{8}{12} - \frac{3}{12}$

Which expression does this model represent?

~~A)~~ $\frac{8}{12} - \frac{4}{12}$

C) $\frac{8}{12} - \frac{1}{4}$

B) $\frac{5}{12} - \frac{3}{12}$

D) $\frac{8}{9} - \frac{3}{9}$

4. Mary made cookies. She used $\frac{7}{8}$ of a cup of flour and $\frac{1}{2}$ of a cup of sugar. How much more flour than sugar did Mary use?

$\frac{7}{8} = \frac{7}{8}$

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

$\frac{3}{8}$

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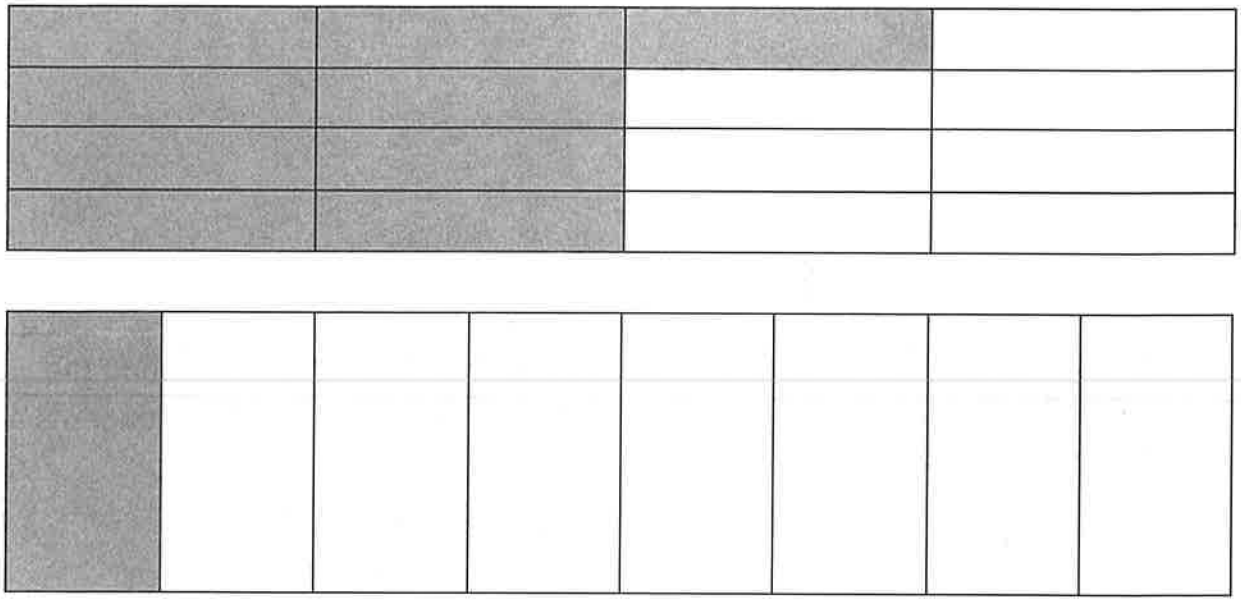
5. Molly ordered a rectangular shaped cake. Charles ate $\frac{9}{16}$ of the cake and Joseph ate $\frac{1}{8}$ of the cake.



What fraction of the cake did Charles and Joseph eat altogether?

$\frac{9}{16} = \frac{9}{16}$

$+ \frac{1}{8} = \frac{2}{16}$

$\frac{11}{16}$

$\frac{11}{16}$

6. Jane ate $\frac{2}{3}$ of a bag of gummy bears on Sunday and $\frac{4}{9}$ of a bag of gummy bears on Monday. What was the combined amount of gummy bears that Jane ate on those two days?

$\frac{2}{3} \overset{\times 3}{=} \frac{6}{9}$

$+ \frac{4}{9} = \frac{4}{9}$

$\frac{10}{9} = 1\frac{1}{9}$

$9\overline{)10}$ r 1

-9

1

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7. Mark is $6\frac{1}{2}$ years older than his sister. His sister is $5\frac{3}{4}$ years old. How old is Mark?

A) $1\frac{1}{4}$ years old

B) $12\frac{1}{4}$ years old

C) $11\frac{1}{4}$ years old

D) $11\frac{4}{6}$ years old

$5\frac{3}{4} = 5\frac{3}{4}$

$+ 6\frac{1}{2} = 6\frac{2}{4}$

$11\frac{5}{4} = 11 + 1\frac{1}{4} = 12\frac{1}{4}$

$4\overline{)5}$ R1, -4, 1

8. One lap around the track at Pecan trail is $\frac{3}{8}$ of a mile. One lap around the track at College Station High School is 0.25 of a mile. How much longer is a lap at Pecan Trail than a lap at the High School?

$0.25 = \frac{1}{4}$

$\frac{3}{8} = \frac{3}{8}$

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

$\frac{1}{8}$

9. Luke caught a fish that weighed $5\frac{2}{3}$ pounds. Thomas caught a fish that weighed $3\frac{7}{8}$ pounds. How much more did Luke's fish weigh?

subtract

3 - 3, 6, 9, 12, 15, 18, 21, 24

8 - 8, 16, 24

$5\frac{2\times8}{3\times8} = 5\frac{16}{24} + \frac{24}{24} = 4\frac{40}{24}$

$-3\frac{7\times3}{8\times3} \; 3\frac{21}{24} \rightarrow 3\frac{21}{24}$

$1\frac{19}{24}$

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10. A recipe for trail mix calls for the following ingredients to be mixed together:

- $1\frac{3}{5}$ cups of Cheerios = $1\frac{12}{20}$
- $\frac{1}{2}$ cup of raisins = $\frac{10}{20}$
- $\frac{3}{4}$ cup of M&Ms = $\frac{15}{20}$
- $\frac{1}{4}$ cup of marshmallows = $\frac{5}{20}$

5 - 5, 10, 15, (20)

2 - 2, 4, 6, 8, 10, 12, 14, 16, 18, (20)

4 - 4, 8, 12, 16, (20)

What is the total amount of ingredients in one batch of this trail mix?

$1\frac{12}{20}$ 22 $\frac{10}{20}$ 37 $\frac{15}{20}$ 42 $+\frac{5}{20}$ $1\frac{42}{20}$

20 | 42 ×2, ×2 −40 2

$2\frac{2}{20} = 2\frac{1}{10}$

$2\frac{1}{10}$ +1 $3\frac{1}{10}$

11. Kylie spent $4\frac{3}{4}$ hours working in her garden on Saturday. = $4\frac{9}{12}$

- She spent $1\frac{3}{4}$ hours pulling weeds. = $1\frac{9}{12}$
- She spent $\frac{5}{6}$ hours laying new soil. = $\frac{10}{12}$
- She spent $1\frac{1}{2}$ hours planting new plants. = $1\frac{6}{12}$
- The rest of her time was spent watering her garden.

4 - 4, 8, (12)

6 - 6 (12)

2 - 2, 4, 6, 8, 10 (12)

Use the information above to figure out how much time Kylie spent watering her garden.

(A) $\frac{2}{3}$ hours

B) $4\frac{2}{3}$ hours

C) $8\frac{5}{6}$ hours

D) $\frac{3}{4}$ hours

$1\frac{9}{12}$

$\frac{10}{12}$

$+\ 1\frac{6}{12}$

$2\frac{25}{12} = 2 + 2\frac{1}{12} = 4\frac{1}{12}$

$4\frac{9}{12}$ = Total Time

$-\ 4\frac{1}{12}$ = What We Know

$\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$

12 | 25 ×2 −24 1

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12. The Aggie baseball team buys 12 buckets of bubble gum at the beginning of each season. They used $4\frac{3}{5}$ buckets during the first half of the regular season, and $5\frac{1}{4}$ buckets during the second half of the regular season. How many buckets did they have left, when the regular season ended?

$4\frac{3}{5} = 4\frac{12}{20}$

$+ 5\frac{1}{4} = 5\frac{5}{20}$

Amount they chewed: $9\frac{17}{20}$

$12\frac{0}{20} = 11\frac{20}{20}$

$- 9\frac{17}{20} \rightarrow 9\frac{17}{20}$

$2\frac{3}{20}$ buckets

13. At the end of June the rainfall total for College Station was $10\frac{5}{6}$ inches. At the end of September the rainfall total was at 56.75 inches. How much rain did College Station get from July through September?

$56.75 = 56\frac{3}{4} = 55\frac{9}{12} + \frac{12}{12} = 55\frac{21}{12}$

$-10\frac{5}{6} = 10\frac{10}{12} \rightarrow -10\frac{10}{12}$

$45\frac{11}{12}$ inches

14. On Monday, Jennifer ran $4\frac{1}{2}$ miles. On Wednesday, she ran $3\frac{5}{8}$ miles. On Friday she ran $2\frac{2}{5}$ miles. How many miles did Jennifer run during these three Days?

$4\frac{1}{2} \times \frac{20}{20} = 4\frac{20}{40}$

$3\frac{5}{8} \times \frac{5}{5} = 3\frac{25}{40}$

$+ 2\frac{2}{5} \times \frac{8}{8} = 2\frac{16}{40}$

45, 61

40 | 61 R 21, -40, 21

$9\frac{61}{40} = 9 + 1\frac{21}{40} = 10\frac{21}{40}$

15. Last week Marco rode his bike $5\frac{2}{3}$ miles on Monday and $3\frac{1}{4}$ miles on Wednesday. About how far did Marco ride his bike last week?

$5\frac{2}{3} \rightarrow 6$

$3\frac{1}{4} \rightarrow +3$

9 miles

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16. Mandy is writing a novel to share with her English class. She wrote $14\frac{7}{8}$ pages on Thursday and $7\frac{1}{12}$ pages on Friday. About how many more pages of the novel did Mandy write on Thursday than on Friday?

$14\frac{7}{8} \rightarrow 15$

$7\frac{1}{12} \rightarrow -7$

8 pages

17. Which group of numbers includes only composite numbers?

A)	C 81÷9	C 105÷5	C 121÷11
B)	C 24÷6	C 75÷5	C 100÷10
~~C~~	19-prime	27	31
D)	C 63÷7	89	107

18. Which number is a prime factor of the composite number 63?

~~A~~ 5 - not a factor

~~B~~ 9 - comp.

~~C~~ 21 - comp.

D) 7 - prime

63

1 x 63

3 x 21

7 x 9

1 - neither

3 - prime

7 - prime

9 - comp.

21 - comp.

63 - comp.

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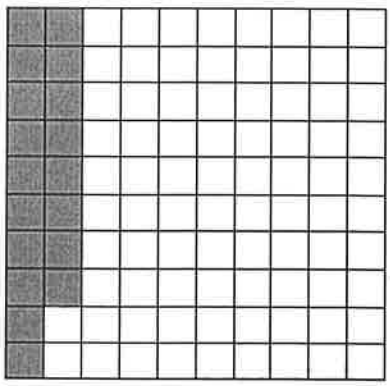
20. Robert buys 3.5 ounces of bird seed. Each ounce of bird seed costs $0.18. The model represents the price of one ounce of bird seed. How much does Robert spend for the bird seed?



A) $6.30

B) $0.63

C) $0.54

D) $3.68

3.5
x.18
280
+350
.630

10
12

21. Mrs. Merseal needs to purchase pens for her students. Which option should Mrs. Merseal choose for the least cost per pen?

A) 24 pens for $8.88 = .37

B) 20 pens for $7.00 = .35

C) 30 pens for $9.90 = .33

D) 15 pens for $6.00 = .40

x.37
24|8.88
-72
168
-168
0

x.35
20|7.00
-60
100
-100
0

x.33
30|9.90
-90
90
-90
0

x.40
15|6.00
-60
00

2
24
x7
168