Name Key

Third Six Weeks Math Checkpoint Review

1. Owen and Bella shared a granola bar. Bella ate $\frac{1}{4}$ of the granola bar. Owen ate $\frac{1}{3}$ of the bar. How much did Owen and Bella eat combined?

$\frac{7}{12}$

2. How long does it take to drive from Minneapolis to Chicago through Green Bay?

Route	Hours to Travel by Car
Minneapolis to Green Bay	$4\frac{5}{6}$
Green Bay to Chicago	$3\frac{2}{3}$

$8\frac{1}{2}$

3. Anna played tennis for $2\frac{1}{4}$ hours on Saturday and $1\frac{4}{5}$ hours on Sunday. How many hours did she play tennis during the weekend?

$4\frac{1}{20}$

4. Paul volunteered at the senior center for $3\frac{9}{10}$ hours on Saturday and $5\frac{1}{6}$ hours on Sunday. How many hours did Paul volunteer at the senior center on both days?

$9\frac{1}{15}$

5. Twenty-four out of 54 students participate in extra-curricular school activities. What fraction of the students participate in extra-curricular school activities?

$\frac{4}{9}$

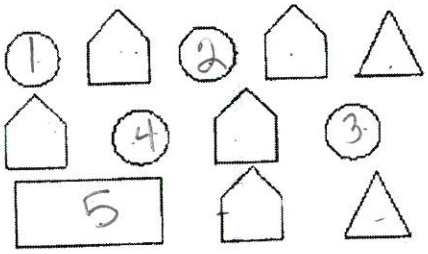
6. Use the table below. On which two days did Kayla run the same distance?

Distances Kayla Ran Last Week					
Day	Monday	Tuesday	Wednesday	Thursday	Friday
Distance (Miles)	$\frac{7}{8}$	$\frac{5}{6}$	$\frac{14}{16}$	$\frac{10}{14}$	$\frac{9}{18}$

$\frac{7}{8} = \frac{14}{16}$

7. Gia walked $\frac{1}{4}$ mile from her house to the park, then $\frac{3}{8}$ mile around the park, and then $\frac{1}{4}$ mile back home. How many miles did she walk in all?

8. Of the shapes shown, $\frac{1}{3}$ are circles and $\frac{1}{12}$ are rectangles. What fraction of the shapes are either circles or rectangles?

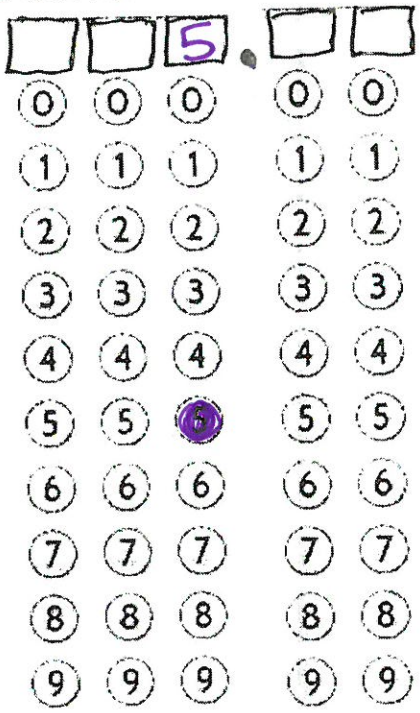


$\frac{5}{12}$

9. Libby's dog stands $\frac{7}{9}$ yard tall, and Jeff's dog stands $\frac{5}{6}$ yard tall. How much taller is Jeff's dog than Libby's dog?

10. Suki had a piece of ribbon that was $\frac{7}{8}$ yard long. She cut off $\frac{2}{3}$ yard to tie back her hair. She wrote a fraction, in simplest form, for the amount of ribbon that was left. What was the numerator of the fraction?

+ (−) × ÷



$\frac{7}{8} \times 3 = \frac{21}{24}$

$\frac{2}{3} \times 8 = \frac{16}{24}$

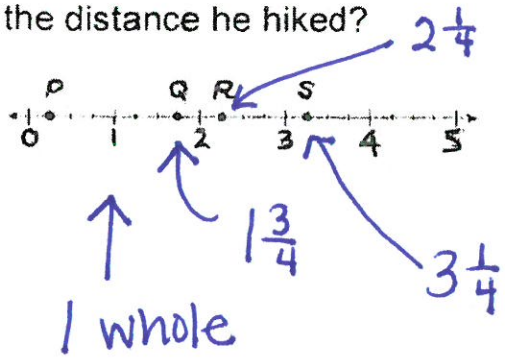
21 − 16

numerator → 5

denominator → 24

11.

Jon hiked $1\frac{3}{4}$ miles. Which point on the number line best represents the distance he hiked?



14. Which list contains only prime numbers?

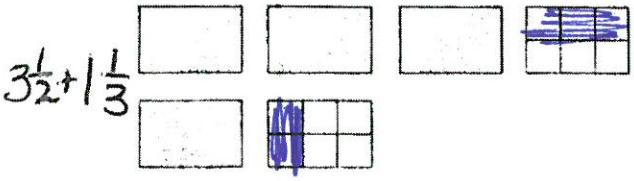
A. 13, 17, 29

B. 13, 17, 30

C. 13, 18, 29

D. 17, 27, 29

12. What is the sum?



$\frac{1}{2} \times 3 \quad \frac{3}{6}$

$+ \frac{1}{3} \times 2 \quad \frac{2}{6}$

$4\frac{5}{6}$

13. What is the difference $5\frac{1}{5} - 2\frac{3}{5}$?

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

$4\frac{6}{5}$

$-2\frac{3}{5}$

$-2\frac{3}{5}$

$2\frac{3}{5}$

Name: ______________________________ Class: ______________________________ Date: ______________ ID: A

3rd six weeks checkpoint review

Multiple Choice

Identify the choice that best completes the statement or answers the question.

15. Which of these sums is greater than 1?

   a. $\frac{1}{5}+\frac{3}{8}$

   b. $\frac{1}{3}+\frac{3}{10}$

   c. $\frac{1}{8}+\frac{2}{5}$

   d. $\frac{4}{5}+\frac{5}{8}$

16. Which shows $\frac{9}{48}$ in simplest form?

   a. $\frac{1}{4}$

   b. $\frac{1}{6}$

   c. $\frac{2}{8}$

   d. $\frac{3}{16}$

17. Which improper fraction does NOT equal a whole number?

   a. $\frac{36}{12}$

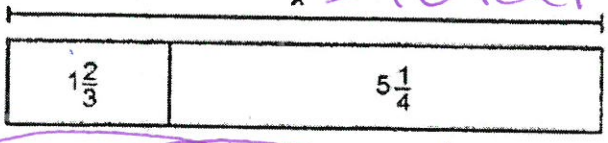
   b. $\frac{28}{3}$

   c. $\frac{52}{4}$

   d. $\frac{75}{5}$

Name: _____ ID: A

18. Colton used $1\frac{2}{3}$ boxes of tiles in the bathroom and $5\frac{1}{4}$ boxes of tiles in the kitchen. He drew the model below to find the total number of boxes he used. Which equation matches the model?



x = total

addition

a. $1\frac{2}{3} + 5\frac{1}{4} = x$

b. $1\frac{2}{3} + x = 5\frac{1}{4}$

c. $5\frac{1}{4} - x = 1\frac{2}{3}$

d. $5\frac{1}{4} - 1\frac{2}{3} = x$

19. Carmen is making homemade bread for her family supper using the recipe below. Which fraction is another way to express the amount of flour in Carmen's recipe?

Carmen's Bread Recipe	
$4\frac{3}{4}$ cups of flour	$1\frac{1}{2}$ packages of yeast
$3\frac{1}{3}$ tablespoons of sugar	$\frac{3}{6}$ sticks of butter
$2\frac{2}{3}$ teaspoons of salt	

$4\frac{3+}{\times 4} = \frac{19}{4}$

$4\frac{3}{4}$ $1.6+3=\frac{19}{4}$

a. $\frac{19}{4}$ cups

b. $\frac{16}{4}$ cups

c. $\frac{11}{4}$ cups

d. $\frac{7}{4}$ cups

$5\frac{2+}{\times 3} = \frac{17}{3}$

Name 2 [redacted] fractions equivalent to $\frac{2}{3}$

(12) $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ (12)

(18) $\frac{2 \times 3}{3 \times 3} = \frac{6}{9}$ (18)

$\frac{1}{4}$

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

Third 6 Week Review

① $\frac{1}{4} + \frac{1}{3} =$

4: 4, 8, (12)
3: 3, 6, 9, (12) > new denominator

$\frac{1}{4} \xrightarrow{\times 3} \frac{3}{12}$

$+ \frac{1}{3} \xrightarrow{\times 4} \frac{4}{12}$

$\frac{7}{12}$

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② $4\frac{5}{6} + 3\frac{2}{3} =$

add whole #s first.

$4+3=7$

then add fractions

$\frac{5}{6} + \frac{2}{3} \xrightarrow{\times 2} \frac{4}{6} \rightarrow \frac{9}{6} \rightarrow$

$6\overline{)9}$ -6 $\frac{3}{}$ (1)

$\frac{3}{6}$ ← simplify to $\frac{1}{2}$

$7 + 1\frac{1}{2}$

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

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③ $2\frac{1}{4} + \frac{4}{5} =$

$\frac{1}{4} \xrightarrow{\times 5} \frac{5}{20}$

$\frac{4}{5} \xrightarrow{\times 4} \frac{16}{20}$

$\frac{21}{20}$

$20\overline{)21}$ -20 $\frac{1}{}$

$4\frac{1}{20} = 3 + 1\frac{1}{20}$

Third 6 Weeks Review

(4.) $3\frac{9}{10} + 5\frac{1}{6} =$

$3\frac{9}{10}$ $\times 3 \rightarrow 27$, $\times 3 \rightarrow 30$

10: 10, 20, (30)
6: 6, 12, 18, 24, (30)

$+ \; 5\frac{1}{6}$ $\times 5 \rightarrow 5$, $\times 5 \rightarrow 30$

$8\frac{32}{30}$

$30\overline{)32}$ R 2

improper fraction must be changed into proper fraction.

$\frac{2}{30}$ ← Simplify

$\frac{2 \div 2}{30 \div 2} = \frac{1}{15}$

$\frac{1}{15} + 8 = 9\frac{1}{15}$

(5.) $\frac{24}{54}$

24: 1×24, 2×12, 3×8, 4×6
54: 1×54, 2×27, 3×18, 6×9

$\frac{4}{9}$

(6.) equivalent fractions. Simplify all.

$\frac{7}{8}$ $\frac{5}{6}$

$\frac{14 \div 2}{16 \div 2} = \frac{7}{8}$

$\frac{7}{8} = \frac{14}{16}$

(7) $\frac{1}{4} + \frac{3}{8} + \frac{1}{4} =$

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

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

8: (8)
2: 2, 4, 6, (8)

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

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

$\boxed{\frac{7}{8}}$

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(8) $\frac{1}{3} + \frac{1}{12}$

$\frac{1}{3} \xrightarrow{\times 4} \frac{4}{12}$

3: 3, 6, 9, (12)
12: (12)

$+ \frac{1}{12} \xrightarrow{\text{SAME}} \frac{1}{12}$

$\frac{5}{12}$

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(9) SUBTRACTION!

$\frac{7}{9} - \frac{5}{6}$

~~$\frac{7}{9}$~~ $\frac{5}{6}$ ~~$\frac{18}{18}$~~

~~$\frac{5}{6}$~~ ~~$\frac{7}{9}$~~ ~~$\frac{18}{18}$~~

$\frac{15}{18}$

$- \frac{14}{18}$

$\boxed{\frac{1}{18}}$

9: 9, (18)
6: 6, 12, (18)