_____

1   In Tracy's CD collection, $\frac{3}{16}$ of the CDs are rock and $\frac{5}{16}$ of the CDs are rap. What fraction of her CDs are either rock or rap?

A $\frac{3}{4}$

B $\frac{1}{4}$

C $\frac{1}{2}$

D $\frac{5}{8}$

2   Winston began reading a science fiction novel last week. He read $\frac{1}{12}$ of the novel during the weekdays, and $\frac{7}{12}$ on the weekend. Which of the following can be used to find how much of the novel he has read?

A   Write $\frac{1+7}{12+12}$ to get $\frac{8}{24}$. Simplify to $\frac{1}{3}$.

B   Write $\frac{1+7}{12}$ to get $\frac{8}{12}$. Simplify to $\frac{2}{3}$.

C   Write $\frac{1+7+12}{12}$ to get $\frac{20}{12}$. Simplify to $1\frac{2}{3}$.

D   Write $\frac{12+12}{1+7}$ to get $\frac{24}{8}$. Simplify to $\frac{3}{1}$.

3   Which of the following pairs of numbers have a least common multiple of 72?

A   8 and 9
B   6 and 12
C   4 and 36
D   3 and 8

_____

4   The table shows the different packages of cheese sticks available at the market where Ahn shops. What is the least number of StringZ and Cheese Smile cheese sticks that Ahn can buy so that she will have the same number of each kind?

| Item	Cheese Sticks per Package
StringZ	10
Grate Cheese	12
Cheese Smile	8

    A   40 sticks
    B   30 sticks
    C   24 sticks
    D   20 sticks

5   The table shows the different packs of beads available for purchase. What is the smallest number of alphabet and polymer clay beads that Nadee can buy so that she will have the same number of each?

Bead	Number of Beads per Pack
Glass	24
Alphabet	30
Polymer Clay	18

    A   540 beads
    B   120 beads
    C   90 beads
    D   72 beads

6   Which of the following pairs of numbers have a least common multiple of 40?

    A   2 and 5
    B   4 and 5
    C   4 and 10
    D   5 and 8

_____

_____

7   Which of the following pairs of numbers have a least common multiple of 36?

    A   2 and 18
    B   3 and 6
    C   4 and 9
    D   6 and 12

8
    A painter is painting a house. He mixed $\frac{5}{9}$ gallon of white paint and $\frac{1}{6}$ gallon of blue paint. How many gallons was the mixture in all?

    A $\frac{2}{5}$ gallon
    B $\frac{4}{5}$ gallon
    C $\frac{7}{18}$ gallon
    D $\frac{13}{18}$ gallon

9
    Bart made potato salad for a picnic. He used $\frac{1}{4}$ cup fewer onions than in the recipe called

    for. If the recipe called for $\frac{7}{8}$ cup of onions, what amount of onions did Bart use?

    A $\frac{5}{8}$ cup
    B $\frac{3}{8}$ cup
    C $1\frac{1}{2}$ cups
    D $\frac{3}{4}$ cup

_____

10 Of the shapes shown, $\frac{1}{6}$ are triangles and $\frac{5}{12}$ are pentagons. What fraction of the shapes are either triangles or pentagons?
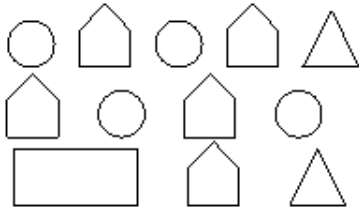
   A $\frac{1}{3}$

   B $\frac{3}{8}$

   C $\frac{7}{12}$

   D $\frac{2}{3}$

11 An adult short-eared owl weighed $\frac{1}{2}$ pound. A baby short-eared owl weighed $\frac{2}{9}$ pound. What was the total weight of the two owls?

   A $1\frac{1}{9}$ pounds

   B $\frac{3}{11}$ pound

   C $\frac{11}{18}$ pound

   D $\frac{13}{18}$ pound

12 What is the lowest common denominator you could use to add $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{6}$?

   A   2

   B   4

   C   6

   D   12

_____

_____

13

Ciera hopes to complete $\frac{5}{6}$ of her book by the end of the week. So far, she has completed $\frac{1}{4}$ of the book. What part of the book must she still complete to meet her goal?

    A $\frac{1}{3}$

    B $\frac{7}{24}$

    C $\frac{3}{4}$

    D $\frac{7}{12}$

14

Jim and Tom entered a race to see who could run the farthest in 3 minutes. Jim ran $\frac{2}{3}$ of a mile. Tom ran $\frac{4}{10}$ of a mile. How much farther did Jim run?

    A $\frac{4}{15}$ mile

    B $\frac{8}{15}$ mile

    C $\frac{1}{3}$ mile

    D $\frac{2}{3}$ mile

15

The normal body length of a Rock Wren is $\frac{1}{2}$ foot. For a Winter Wren, it is $\frac{1}{3}$ foot. How much longer is the Rock Wren than the Winter Wren?

    A $\frac{1}{3}$ foot

    B $\frac{5}{6}$ foot

    C $\frac{1}{6}$ foot

    D $\frac{3}{8}$ foot

_____

16   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	$3\frac{2}{3}$

A $1\frac{1}{6}$ hours

B $7\frac{7}{6}$ hours

C $8\frac{1}{2}$ hours

D $8\frac{2}{3}$ hours

17   What is $7\frac{1}{4}+5\frac{5}{8}$?

A $12\frac{7}{8}$

B $12\frac{3}{4}$

C $12\frac{5}{6}$

D $12\frac{5}{8}$

18   What is $8\frac{1}{2}+6\frac{3}{8}$?

A $14\frac{7}{8}$

B $14\frac{1}{5}$

C $14\frac{5}{8}$

D $14\frac{3}{4}$

_____

19

Teodor's puppy gained $2\frac{2}{5}$ pounds last month and $1\frac{1}{2}$ pounds this month. How much did it gain in both months together?

    A $3\frac{1}{2}$ pounds

    B $3\frac{1}{5}$ pounds

    C $3\frac{3}{7}$ pounds

    D $3\frac{9}{10}$ pounds

20

Find $5\frac{5}{12} - 4\frac{7}{12}$.

    A $\frac{1}{6}$

    B $\frac{5}{6}$

    C $1\frac{1}{6}$

    D $1\frac{5}{6}$

21

Sarah is walking to her best friend's house, $8\frac{1}{3}$ blocks away. So far, she has walked $5\frac{5}{6}$ blocks. How many more blocks does she need to walk?

    A $3\frac{1}{6}$ blocks

    B $2\frac{1}{2}$ blocks

    C $2\frac{2}{3}$ blocks

    D $3\frac{1}{3}$ blocks

_____

22

Raquel's younger sister is $3\frac{5}{6}$ feet tall. Raquel's younger brother is $4\frac{1}{6}$ feet tall. How much taller is Raquel's brother than her sister?

    A $1\frac{1}{6}$ feet taller

    B $1\frac{1}{3}$ feet taller

    C $1\frac{2}{3}$ feet taller

    D $\frac{1}{3}$ foot taller

23

Kenny has $3\frac{5}{8}$ pages of math problems left to do. Linda has $2\frac{7}{8}$ pages left. How many more pages does Kenny have left than Linda?

    A $\frac{3}{8}$ page

    B $\frac{3}{4}$ page

    C $1\frac{3}{8}$ pages

    D $1\frac{3}{4}$ pages

24

Mark uses $3\frac{1}{8}$ pounds of seed to fill the bird feeders in his backyard, but he only has $1\frac{1}{2}$ pounds of seeds. How much seed does he need to buy?

    A $1\frac{3}{4}$ pounds

    B $2\frac{5}{8}$ pound

    C $2\frac{3}{4}$ pounds

    D $1\frac{5}{8}$ pounds

_____

25   This table shows the number of miles Jeff drove over a number of hours. If the pattern continues, how many miles will Jeff have driven during 4 hours?

Hours	Total Miles Driven
1	48
2	96
3	144

A   182 miles
B   192 miles
C   202 miles
D   212 miles

26   **Roberto made the following figures from tiles.**

1st figure   2nd figure

3rd figure   4th figure

How many tiles will Roberto need for his seventh figure?

A   12
B   16
C   32
D   64

_____

_____

27   This table shows the amount of spending money Ken had left at the end of each day of his vacation. If the pattern continues, how much money did Ken have left at the end of the fifth day?

Day	Spending Money Left
1	95
2	73
3	51

A $39
B $27
C $17
D $7