

#1

## Choose the best answer

A rocket travels  $7\frac{1}{4}$  miles into the air on its first launch. For the second launch its engine is replaced with a much more power engine. The rocket then travels  $3\frac{1}{4}$  times higher than the first launch. How many miles into the air does the rocket travel on the second launch? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $23\frac{3}{8}$ 
  $23\frac{3}{7}$   
  $23\frac{1}{9}$ 
  $23\frac{9}{16}$

Show your work

#2

Steven made strawberry jam and raspberry jam. He made enough strawberry jam to fill  $7\frac{3}{4}$  jars. If he made  $2\frac{2}{4}$  times as much raspberry jam as strawberry jam, how many jars will the raspberry jam fill? (Simplify your answer and write it as a proper fraction or a mixed number.)

jars

Show your work

#3

## Choose the best answer

On Monday Matilda spent  $10\frac{3}{4}$  hours studying for her math test. On Tuesday, Matilda studies for  $1\frac{3}{4}$  times as long. How many hours did Matilda study on Tuesday? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $18\frac{5}{8}$ 
  $18\frac{7}{9}$   
  $18\frac{1}{6}$ 
  $18\frac{13}{16}$

Show your work

#4

While training for a race, a runner runs for  $6\frac{2}{3}$  miles in an hour. If the race is  $7\frac{2}{4}$  longer than the runner's training run, how many miles is the race? (Simplify your answer and write it as a proper fraction or a mixed number.)

miles

Show your work

#5

A rocket travels  $7\frac{3}{4}$  miles into the air on its first launch. For the second launch its engine is replaced with a much more powerful engine. The rocket then travels  $5\frac{3}{4}$  times higher than the first launch. How many miles into the air does the rocket travel on the second launch? (Simplify your answer and write it as a proper fraction or a mixed number.)

miles

Show your work

#6

Savannah gets a pizzeria. On her first day, Savannah can make  $9\frac{2}{3}$  pizzas an hour. After training for a week, she can make  $1\frac{2}{3}$  times as many pizzas an hour. How many pizzas can Savannah make an hour after training? (Simplify your answer and write it as a proper fraction or a mixed number.)

pizzas

Show your work

#7

## Choose the best answer

Steven made strawberry jam and raspberry jam. He made enough strawberry jam to fill  $10\frac{3}{4}$  jars. If he made  $3\frac{2}{4}$  times as much raspberry jam as strawberry jam, how many jars will the raspberry jam fill? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $37\frac{2}{3}$                         $37\frac{4}{7}$   
  $37\frac{1}{8}$                         $37\frac{5}{8}$

Show your work

#8

Brianna gets a pizzeria. On her first day, Brianna can make  $6\frac{1}{2}$  pizzas an hour. After training for a week, she can make  $8\frac{3}{4}$  times as many pizzas an hour. How many pizzas can Brianna make an hour after training? (Simplify your answer and write it as a proper fraction or a mixed number.)

pizzas

Show your work

#9

## Choose the best answer

While training for a race, a runner runs for  $3\frac{2}{3}$  miles in an hour. If the race is  $4\frac{1}{4}$  longer than the runner's training run, how many miles is the race? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $15\frac{2}{5}$                         $15\frac{3}{8}$   
  $15\frac{8}{9}$                         $15\frac{7}{12}$

Show your work

#10

## Choose the best answer

It takes Evan  $6\frac{1}{4}$  minutes to walk to school every morning. If it takes Diana  $3\frac{2}{4}$  times as long to walk to school than Evan, how long does it take Diana to walk to school? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $21\frac{1}{6}$ 
  $21\frac{7}{8}$   
  $21\frac{2}{9}$ 
  $21\frac{3}{8}$

Show your work

#11

## Choose the best answer

On her first throw an athlete throws a shot put  $8\frac{1}{4}$  yards. On her second throw she throws the shot put  $8\frac{2}{4}$  times as far as her first throw. How many yards did the athlete throw the shot put on her second throw? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $70\frac{1}{8}$ 
  $70\frac{3}{4}$   
  $70\frac{4}{7}$ 
  $70\frac{3}{10}$

Show your work

#12

## Choose the best answer

Caden gets a pizzeria. On his first day, Caden can make  $8\frac{2}{3}$  pizzas an hour. After training for a week, he can make  $3\frac{1}{4}$  times as many pizzas an hour. How many pizzas can Caden make an hour after training? (Simplify your answer and write it as a proper fraction or a mixed number.)

- $28\frac{5}{6}$ 
  $28\frac{1}{6}$   
  $28\frac{1}{9}$ 
  $28\frac{2}{3}$

Show your work

Question	Answer
#1	23 9/16
#2	19 3/8
#3	18 13/16
#4	50
#5	44 9/16
#6	16 1/9
#7	37 5/8
#8	56 7/8
#9	15 7/12
#10	21 7/8
#11	70 1/8
#12	28 1/6