#1

On her first throw an athlete throws a shot put $7\frac{2}{4}$ yards. On her second throw she throws the shot put $6\frac{3}{4}$ 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.)

_____ yards

Show your work

#2

On Monday Christopher spent $6\frac{2}{3}$ hours studing for his math test. On Tuesday, Christopher studies for $10\frac{3}{4}$ times as long. How many hours did Christopher study on Tuesday? (Simplify your answer and write it as a proper fraction or a mixed number.)

_____ hours

Show your work

#3

While training for a race, a running runs for $4\frac{3}{4}$ miles in an hour. If the race is $5\frac{3}{4}$ 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

#4

Choose the best answer

If it rains $4\frac{2}{4}$ inches on Thursday and it rains $9\frac{1}{3}$ times as much on Friday, how much did it rain on Friday? (Simplify your answer and write it as a proper fraction or a mixed number.)

- ○ 34
- ○ 42
- ○ 52
- ○ 30

Show your work

#5

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

_____ pizzas

Show your work

#6

Choose the best answer

It takes Sophia $10\frac{3}{4}$ minutes to walk to school every morning. If it takes Olivia $4\frac{3}{4}$ times as long to walk to school than Sophia, how long does it take Olivia to walk to school? (Simplify your answer and write it as a proper fraction or a mixed number.)

- ○ $51\frac{5}{6}$
- ○ $51\frac{1}{16}$
- ○ $51\frac{1}{5}$
- ○ $51\frac{7}{10}$

Show your work

#7

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

#8

A rocket travels $2\frac{2}{3}$ 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 $10\frac{1}{2}$ 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

#9

Abigail gets a pizzeria. On her first day, Abigail can make $9\frac{2}{3}$ pizzas an hour. After training for a week, she can make $2\frac{3}{4}$ times as many pizzas an hour. How many pizzas can Abigail make an hour after training? (Simplify your answer and write it as a proper fraction or a mixed number.)

☐ pizzas

Show your work

#10

Choose the best answer

On Monday Kevin spent $4\frac{2}{3}$ hours studing for his math test. On Tuesday, Kevin studies for $7\frac{1}{2}$ times as long. How many hours did Kevin study on Tuesday? (Simplify your answer and write it as a proper fraction or a mixed number.)

- ○ 46
- ○ 27
- ○ 35
- ○ 29

Show your work

#11

While training for a race, a running 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

#12

On Monday Luke spent $5\frac{1}{4}$ hours studing for his math test. On Tuesday, Luke studies for $4\frac{3}{4}$ times as long. How many hours did Luke study on Tuesday? (Simplify your answer and write it as a proper fraction or a mixed number.)

☐ hours

Show your work

Question	Answer
#1	50 5/8
#2	71 2/3
#3	27 5/16
#4	42
#5	25 5/16
#6	51 1/16
#7	28 1/6
#8	28
#9	26 7/12
#10	35
#11	50
#12	24 15/16