Mixture & Work Word Problems · 1

How many liters of pure acid are in 60 liters of a 5% acid solution?

Mixture & Work Word Problems · 2

Maya can paint a fence in 6 hours. What fraction of the job does Maya finish in 1 hour?

Mixture & Work Word Problems · 3

2 liters of a 20% sugar solution are mixed with 3 liters of a 70% sugar solution. What is the percent concentration of the mixture?

Mixture & Work Word Problems · 4

Maya can sort a crate of mail in 15 minutes. Leo can do the same job in 30 minutes. How many minutes does the job take if they work together?

Mixture & Work Word Problems · 5

1 pound of peanuts costing $6 per pound is mixed with 2 pounds of cashews costing $9 per pound. What is the cost per pound of the mixture?

Mixture & Work Word Problems · 6

Maya can wash the windows of a school in 5 hours. What fraction of the job does Maya finish in 2 hours?

Mixture & Work Word Problems · 7

6 liters of a 10% salt solution are mixed with 2 liters of a 50% salt solution. What is the percent concentration of the mixture?

Mixture & Work Word Problems · 8

Priya can sort a crate of mail in 30 minutes. Sam can do the same job in 20 minutes. How many minutes does the job take if they work together?

Mixture & Work Word Problems · 2

ANSWER

$\frac{1}{6}$

Mixture & Work Word Problems · 1

ANSWER

3

Mixture & Work Word Problems · 4

ANSWER

10

Mixture & Work Word Problems · 3

ANSWER

50%

Mixture & Work Word Problems · 6

ANSWER

$\frac{2}{5}$

Mixture & Work Word Problems · 5

ANSWER

$8

Mixture & Work Word Problems · 8

ANSWER

12

Mixture & Work Word Problems · 7

ANSWER

20%

Mixture & Work Word Problems · 9

How many liters of pure sugar are in 20 liters of a 35% sugar solution?

Mixture & Work Word Problems · 10

Maya can clean the gym in 6 hours. What fraction of the job does Maya finish in 4 hours?

Mixture & Work Word Problems · 11

3 liters of a 40% acid solution are mixed with 1 liter of an 80% acid solution. What is the percent concentration of the mixture?

Mixture & Work Word Problems · 12

Priya can shelve a cart of library books in 24 minutes. Sam can do the same job in 12 minutes. How many minutes does the job take if they work together?

Mixture & Work Word Problems · 13

3 pounds of black tea costing $6 per pound are mixed with 1 pound of jasmine tea costing $10 per pound. What is the cost per pound of the mixture?

Mixture & Work Word Problems · 14

Priya can clean the gym in 6 hours. What fraction of the job does Priya finish in 3 hours?

Mixture & Work Word Problems · 15

3 liters of a 40% sugar solution are mixed with 1 liter of an 80% sugar solution. What is the percent concentration of the mixture?

Mixture & Work Word Problems · 16

Ana can wipe down the lab tables in 12 minutes. Ben can do the same job in 24 minutes. How many minutes does the job take if they work together?

Mixture & Work Word Problems · 10

ANSWER

$\frac{2}{3}$

Mixture & Work Word Problems · 9

ANSWER

7

Mixture & Work Word Problems · 12

ANSWER

8

Mixture & Work Word Problems · 11

ANSWER

50%

Mixture & Work Word Problems · 14

ANSWER

$\frac{1}{2}$

Mixture & Work Word Problems · 13

ANSWER

$7

Mixture & Work Word Problems · 16

ANSWER

8

Mixture & Work Word Problems · 15

ANSWER

50%

Mixture & Work Word Problems · 17

How many liters of a 45% salt solution must be mixed with 2 liters of an 85% salt solution to make a 55% salt solution?

Mixture & Work Word Problems · 18

Ivan can wash a sink full of dishes in 36 minutes. Zoe can do the same job in 18 minutes. How many minutes does the job take if they work together?

Mixture & Work Word Problems · 19

A store mixes raisins costing $9 per pound with 2 pounds of almonds costing $13 per pound. The mixture is worth $11 per pound. How many pounds of raisins are in the mixture?

Mixture & Work Word Problems · 20

Working together, Priya and Sam can stuff a box of envelopes in 12 minutes. Working alone, Priya needs 21 minutes. How many minutes would Sam need working alone?

Mixture & Work Word Problems · 21

How many liters of water must be added to 21 liters of a 40% acid solution to make a 15% acid solution?

Mixture & Work Word Problems · 22

A chemist needs 6 liters of a 45% salt solution and has a 10% solution and an 80% solution to mix. How many liters of the 80% solution should the chemist use?

Mixture & Work Word Problems · 23

2 pounds of raisins costing $7 per pound are mixed with 2 pounds of almonds costing $13 per pound. What is the cost per pound of the mixture?

Mixture & Work Word Problems · 24

Working together, Nora and Jack can stuff a box of envelopes in 6 minutes. Working alone, Nora needs 24 minutes. How many minutes would Jack need working alone?

Mixture & Work Word Problems · 18

ANSWER

12

Mixture & Work Word Problems · 17

ANSWER

6

Mixture & Work Word Problems · 20

ANSWER

28

Mixture & Work Word Problems · 19

ANSWER

2

Mixture & Work Word Problems · 22

ANSWER

3

Mixture & Work Word Problems · 21

ANSWER

35

Mixture & Work Word Problems · 24

ANSWER

8

Mixture & Work Word Problems · 23

ANSWER

$10