Task card 1 Mixture & Work Word Problems

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

Task card 2 Mixture & Work Word Problems

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

Task card 3 Mixture & Work Word Problems

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?

Task card 4 Mixture & Work Word Problems

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?

Task card 5 Mixture & Work Word Problems

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?

Task card 6 Mixture & Work Word Problems

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

Task card 7 Mixture & Work Word Problems

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?

Task card 8 Mixture & Work Word Problems

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?

Task card 9 Mixture & Work Word Problems

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

Task card 10 Mixture & Work Word Problems

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

Task card 11 Mixture & Work Word Problems

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?

Task card 12 Mixture & Work Word Problems

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?

Task card 13 Mixture & Work Word Problems

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?

Task card 14 Mixture & Work Word Problems

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

Task card 15 Mixture & Work Word Problems

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?

Task card 16 Mixture & Work Word Problems

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?

Task card 17 Mixture & Work Word Problems

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?

Task card 18 Mixture & Work Word Problems

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?

Task card 19 Mixture & Work Word Problems

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?

Task card 20 Mixture & Work Word Problems

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?

Task card 21 Mixture & Work Word Problems

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

Task card 22 Mixture & Work Word Problems

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?

Task card 23 Mixture & Work Word Problems

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?

Task card 24 Mixture & Work Word Problems

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 Task Cards

Recording sheet · Grade 9 · Solve each problem. Write just the number; if an answer is not a whole number, write it as a fraction or mixed number like 2 2/5.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Mixture & Work Word Problems Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. 3	**2.** $\frac{1}{6}$	**3.** 50%
4. 10	**5.** $8	**6.** $\frac{2}{5}$
7. 20%	**8.** 12	**9.** 7
10. $\frac{2}{3}$	**11.** 50%	**12.** 8
13. $7	**14.** $\frac{1}{2}$	**15.** 50%
16. 8	**17.** 6	**18.** 12
19. 2	**20.** 28	**21.** 35
22. 3	**23.** $10	**24.** 8