

#1

Choose the best answer

Farmer Mason has harvested 15 tonnes of wheat so far, and can harvest 9 tonnes per day. His neighbor Farmer Michael can harvest 7 tonnes per day, and has 21 tonnes of wheat already in stock. If they harvest as much as they can every day, how many days will it take for them to have the same amount of wheat? How many tonnes of wheat will they have both harvested?

- ☐ 42 tonnes after 3 days ☐ 37 tonnes after 3 days
- ☐ 44 tonnes after 4 days ☐ 47 tonnes after 3 days

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#2

Choose the best answer

Makayla and Matthew are in a hot dog eating competition. By the time Kevin gets there Makayla has eaten 11 hot dogs and Matthew has eaten 23. According to their stats Makayla can eat 10 hot dogs a minute, while Matthew can eat 8. How long will it be until they are tied, and how many hot dog will they have eaten in that time?

- ☐ 71 each after 6 minutes ☐ 75 each after 7 minutes
- ☐ 66 each after 6 minutes ☐ 76 each after 6 minutes

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#3

Choose the best answer

Dale and Chuck are training to run a marathon. Alyssa, their trainer, showed up half way through their training session and saw that Dale had completed 14 laps and was setting a pace of 5 laps per hour, and Chuck was done 10 laps and was setting a pace of 7 laps per hour. If they both tied in the end, how long did it take them to finish?

- ☐ 19 laps took them 3 hours ☐ 22 laps took them 2 hours
- ☐ 23 laps took them 2 hours ☐ 24 laps took them 2 hours

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#4

Choose the best answer

Darren and Gavin are in a hot dog eating competition. By the time Natalie gets there Darren has eaten 16 hot dogs and Gavin has eaten 12. According to their stats Darren can eat 3 hot dogs a minute, while Gavin can eat 4. How long will it be until they are tied, and how many hot dog will they have eaten in that time?

- ☐ 24 each after 4 minutes ☐ 31 each after 5 minutes
☐ 25 each after 4 minutes ☐ 28 each after 4 minutes

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#5

Choose the best answer

Dale and Chuck are training to run a marathon. Kayla, their trainer, showed up half way through their training session and saw that Dale had completed 16 laps and was setting a pace of 3 laps per hour, and Chuck was done 12 laps and was setting a pace of 4 laps per hour. If they both tied in the end, how long did it take them to finish?

- ☐ 24 laps took them 5 hours ☐ 32 laps took them 4 hours
☐ 27 laps took them 4 hours ☐ 28 laps took them 4 hours

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#6

Choose the best answer

Mia has just unplugged her fridge so it can defrost. The freezer is at 17 degrees and warms up at 3 degrees an hour. The fridge part is at 7 degrees and rises 5 degrees per hour. How many hours will it take for both the fridge and the freezer to be the same temperature? What is the temperature change in that time span?

- ☐ 32 degrees in 5 hours ☐ 30 degrees in 5 hours
☐ 36 degrees in 5 hours ☐ 34 degrees in 6 hours

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#7

Choose the best answer

Olivia has just unplugged her fridge so it can defrost. The freezer is at 22 degrees and warms up at 9 degrees an hour. The fridge part is at 14 degrees and rises 11 degrees per hour. How many hours will it take for both the fridge and the freezer to be the same temperature? What is the temperature change in that time span?

- ☐ 61 degrees in 5 hours ☐ 53 degrees in 4 hours
☐ 59 degrees in 4 hours ☐ 58 degrees in 4 hours

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#8

Choose the best answer

Kaylee has just unplugged her fridge so it can defrost. The freezer is at 11 degrees and warms up at 10 degrees an hour. The fridge part is at 23 degrees and rises 8 degrees per hour. How many hours will it take for both the fridge and the freezer to be the same temperature? What is the temperature change in that time span?

- ☐ 71 degrees in 6 hours ☐ 66 degrees in 7 hours
☐ 75 degrees in 6 hours ☐ 68 degrees in 6 hours

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#9

Choose the best answer

Last Wednesday, two friends met up after school to read the book they were both assigned in Literature class. Kayla can read 6 pages per minute, and she had already read 16 pages. Anna, who has a reading speed of 10 pages per minute, had read 12 pages. Eventually they had read the same number of pages. How many pages had each of them read at that point? How long did that take?

- ☐ 18 pages after 1 minutes ☐ 22 pages after 1 minutes
☐ 27 pages after 2 minutes ☐ 20 pages after 1 minutes

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#10

Choose the best answer

Hannah has just unplugged her fridge so it can defrost. The freezer is at 17 degrees and warms up at 11 degrees an hour. The fridge part is at 23 degrees and rises 8 degrees per hour.

How many hours will it take for both the fridge and the freezer to be the same temperature? What is the temperature change in that time span?

- ☐ 43 degrees in 2 hours ☐ 41 degrees in 3 hours
☐ 39 degrees in 2 hours ☐ 40 degrees in 2 hours

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#11

Choose the best answer

Dale and Chuck are training to run a marathon. Sydney, their trainer, showed up half way through their training session and saw that Dale had completed 22 laps and was setting a pace of 4 laps per hour, and Chuck was done 12 laps and was setting a pace of 9 laps per hour. If they both tied in the end, how long did it take them to finish?

- ☐ 33 laps took them 3 hours ☐ 32 laps took them 2 hours
☐ 27 laps took them 2 hours ☐ 30 laps took them 2 hours

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#12

Choose the best answer

Evan uses rechargeable batteries. One battery has already been charged 14 percent and charges at a rate of 5 percent an hour. Evan starts charging another battery that still has 10 percent of its charge left, and charges at a rate of 7 percent an hour. How long will it be until both batteries are at the same charge percentage? What percentage will they have charged?

- ☐ 26% after 2 hours ☐ 20% after 3 hours
☐ 24% after 2 hours ☐ 27% after 2 hours

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Question	Answer
#1	choice 1
#2	choice 1
#3	choice 4
#4	choice 4
#5	choice 4
#6	choice 1
#7	choice 4
#8	choice 1
#9	choice 2
#10	choice 3
#11	choice 4
#12	choice 3