

#1

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

Show your work

#2

Choose the best answer

Mackenzie and Savannah are in a hot dog eating competition. By the time Anna gets there Mackenzie has eaten 24 hot dogs and Savannah has eaten 9. According to their stats Mackenzie can eat 3 hot dogs a minute, while Savannah can eat 4. How long will it be until they are tied, and how many hot dog will they have eaten in that time?

- 71 each after 15 minutes 70 each after 16 minutes
 69 each after 15 minutes 73 each after 15 minutes

Show your work

#3

Choose the best answer

A large order has been put in at a pizza place for a school event. Dylan and Luke are both quick at making pizzas. Luke can make 14 pizzas an hour and has already made 15. Dylan has made 17 and can make 13 pizzas an hour. When they both reach the same number of pizzas total they will be done. How many pizza will they have made between now and finishing, and how long will it take?

- 43 pizzas after 2 hours 42 pizzas after 3 hours
 45 pizzas after 2 hours 48 pizzas after 2 hours

Show your work

#4

Choose the best answer

Farmer William has harvested 14 tonnes of wheat so far, and can harvest 12 tonnes per day. His neighbor Farmer Christopher can harvest 11 tonnes per day, and has 18 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?

- 66 tonnes after 4 days 59 tonnes after 5 days
- 62 tonnes after 4 days 58 tonnes after 4 days

Show your work

#5

Choose the best answer

Last Wednesday, two friends met up after school to read the book they were both assigned in Literature class. Ashley can read 10 pages per minute, and she had already read 11 pages. Makayla, who has a reading speed of 8 pages per minute, had read 23 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?

- 76 pages after 7 minutes 71 pages after 6 minutes
- 66 pages after 6 minutes 67 pages after 6 minutes

Show your work

#6

Choose the best answer

Daniel and Jack are in a hot dog eating competition. By the time Kaitlyn gets there Daniel has eaten 15 hot dogs and Jack has eaten 20. According to their stats Daniel can eat 8 hot dogs a minute, while Jack can eat 7. How long will it be until they are tied, and how many hot dog will they have eaten in that time?

- 50 each after 5 minutes 57 each after 5 minutes
- 54 each after 6 minutes 55 each after 5 minutes

Show your work

#7

Choose the best answer

A large order has been put in at a pizza place for a school event. Luke and Angela are both quick at making pizzas. Angela can make 4 pizzas an hour and has already made 22. Luke has made 12 and can make 9 pizzas an hour. When they both reach the same number of pizzas total they will be done. How many pizza will they have made between now and finishing, and how long will it take?

- 32 pizzas after 3 hours 26 pizzas after 2 hours
- 30 pizzas after 2 hours 35 pizzas after 2 hours

Show your work

#8

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

Show your work

#9

Choose the best answer

Mia 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
- 58 degrees in 4 hours 59 degrees in 4 hours

Show your work

#10

Choose the best answer

Last Wednesday, two friends met up after school to read the book they were both assigned in Literature class. Gavin can read 3 pages per minute, and he had already read 24 pages. Addison, who has a reading speed of 4 pages per minute, had read 9 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?

- 72 pages after 16 minutes 73 pages after 15 minutes
- 69 pages after 15 minutes 74 pages after 15 minutes

Show your work

#11

Choose the best answer

A fashion photographer needs to hire a stylist to prepare his models for a shoot. Elizabeth charges \$17 for showing up plus \$3 per hour. Zachary charges \$7 to show up plus \$5 per hour. Given the expected duration of his photo shoot, either stylist would cost him the same amount. What would the cost be? What would the duration be?

- \$32 for 5 hours \$29 for 6 hours
- \$30 for 5 hours \$35 for 5 hours

Show your work

#12

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

Show your work

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