

## Year 5 Finals 2024

Y5/1. What is the time 58 minutes before 5.34 pm?

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Y5/2. The cost for every 20 minutes in a car parking meter is 20c. Jone put a \$1 coin and three 20c coin into the meter at 1.20 pm. At what time did the parking meter expire?

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Y5/3. The sum of ten numbers is 2624. If one of the ten numbers is changed from 456 to 654, what is the new sum?

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Y5/4 How many rectangles can be found in this diagram?



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Y5/5. Tina is 19 years old, Kara is 26 and Jerry is 31. In how many years from now will their ages add to 145?

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Y5/6. A car 3m long is travelling at 20m/s and overtakes a 17m long truck travelling at 15m/s.  
How long , in seconds, does it take the car to overtake the truck?

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Y5/7. When I opened the pages of my book the sum of the two page numbers facing me was 317.

What are the two page numbers?

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Y5/8. A movie lasts for  $2\frac{1}{3}$  hours. The movie is shown in two equal sessions.

For how many minutes does each session last?

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Y5/9 A magic square is shown below. The sum of the numbers in any row, column or diagonal must be same.

What is the value of P?

16		
11	P	15
12		

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Y5/10 When a barrel is three-quarters full it contains 9 litres. How many litres does it hold when it is two-thirds full?

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Y5/11 Sala can mark 27 test papers in 3 hours. At this rate, how many hours will she take to mark 99 test papers?

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Y5/12 Vanua College has 1000 students. 570 are girls. One quarter of the students travel to school by the bus and 313 boys do not go by bus. How many girls travel to school by bus?

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Y5/13 A rectangle has an area of  $72 \text{ cm}^2$  and the length is twice the width. What is the perimeter of the rectangle, in cm?

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Y5/14 Harnesh has a bag of marbles. Mela takes out one-third of them. Harnesh then takes out one-half of those left, leaving 8 marbles in the bag. How many marbles were originally in the bag?

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Y5/15 One bell rings every 8 minutes and another rings every 10 minutes. If the bells ring together at 9.30 am, at what time will they next ring together?

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Y5/16 If it takes Raj 15 minutes to cut a board into four pieces, how long in minutes would it take him to cut the same type board into 12 pieces?

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Y5/17 Find the extra time, in hours, that would take to cover a distance of 300 km at 50km/h instead of 60 km/h.

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Y5/18 A painter has finished painting  $\frac{1}{4}$  of a room by 1:00 pm and  $\frac{3}{4}$  of the same room by 1:30 pm. At this rate, when does he finish painting the room?

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Y5/19 Ten friends ate at a restaurant and agreed to share the bill equally. Anna forgot her money, so each of her nine friends paid an extra \$4 to cover her portion of the total bill. What was the total bill in dollars?

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Y5/20 When Ashika fenced her square garden, she needed 20 posts for each side. How many posts did she use?

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