

Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. Which number is smaller: 2,999,998 or 2,999,989?
- b. Order these numbers from smallest to largest: 12,345 12,435 12,534 12,543
- c. $12.45 + 9.2 + 0.9 =$



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. What is 395 in Roman Numerals?
- b. $849,89 + 621,187 =$
- c. List all the prime numbers between 20 and 40.



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. Which fraction is larger: $\frac{7}{3}$ or $\frac{24}{9}$?
- b. What is 25% of 1,592?
- c. A film starts at 3.45pm and lasts for 132 minutes. When does it finish?



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- a. Jack writes down the number 449,595. Round this number to the nearest hundred thousand.
- b. What is 1000 more than 3,456?
- c. What is 1000 less than 10,456?



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. Harry builds a model house out of 67 bricks. How many bricks would he need to build 24 towers?
- b. $2.8 \times 3 =$
- c. $14 \times 4.7 =$
- d. $2164 \div 4 =$



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- a. How many seconds are there in $5\frac{1}{2}$ minutes?
- b. Calculate $11/12$ minus $1/8$.
- c. $2.15 \times 8 =$



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- a. Write down all the factors of 36.
- b. What is the value of 6 in 86,821?
- c. What are the next 5 numbers? 0.06, 0.12, 0.18, 0.24...



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. $9 \times 3 \times 6 =$
- b. How many teams of 13 can be made from 349 people?
- c. If an angle is obtuse, what does that mean?



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. $\frac{1}{3} \times \frac{1}{5} =$
- b. English starts at 10.50am and ends at quarter to noon. We have an English lesson every day (Mon-Fri). How many minutes do we spend in English per week?



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- a. There were 12,852 people on holiday and 9,578 went home. How many people were left?
- b. $13,453 + \text{????} = 29,902$
- c. $1,726 - 1,218 = 518$. Is this correct?



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- a. The baker makes 384 cakes to sell. A tray holds 16 cakes. How many trays of cakes will he have?
- b. What is $\frac{5}{6}$ of 246?
- c. Order these fractions from smallest to largest: $\frac{3}{5}$ $\frac{2}{10}$ $\frac{7}{15}$ $\frac{5}{6}$



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. Which is larger? $\frac{3}{4}$ of 100 or $\frac{4}{5}$ of 105.
- b. 49% of the 400 children at the school are girls. How many children are boys?
- c. What is 3.7 as an improper fraction?



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. $5,346 + 924 + 89 + 27.8 =$
- b. What are all the prime factors of 24?
- c. $23,712 - \text{????} = 1,093$



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. I have 198 flower bulbs. I plant 17 bulbs in each plant pot. How many bulbs are left over?
- b. What is $\frac{3}{7}$ of 168?
- c. A robot takes 30 equal steps. He walks 1.5 metres. How many millimetres is each step?



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- a. $7 \times 3\frac{1}{4} =$
- b. Write the number 1,452,093.28 in words.
- c. I had a piece of rectangular paper. The length was 26 cm and the width was 11 cm. Calculate the perimeter and area of the paper.



Challenge! Year 6 via [teachmrn.com](https://www.teachmrn.com)

- a. $4.56 \times 10 =$
- b. $5046 + \text{????} = 19,931$
- c. The temperature in the UK is 7°C . The temperature in Alaska is -19°C . What is the difference in temperature?



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- a. Write 3 two-place decimals that total 1.
- b. Find the blanks: $7 \ ? \ 4 \ ? \ - \ ? \ 2 \ ? \ 1 \ = \ 2 \ 9 \ 8 \ 1$
- c. What is 0.04 as a fraction?



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- a. A school (with 12 classes) buys 24 packs of pencils. A pack contains 72 pencils. How many pencils will each class get?
- b. $9.2 \times 13 =$

