





(1







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2

Use these clues to find the number:

- The number has six digits.
- The number is less than 300 000.
- Nine is a factor of the number.
- Three digits are even and three are odd.
- The second digit is the first digit cubed.
- The tens digit has no value.
- The thousands digit is seven times the hundreds digit.

Calculate:

6719 × 34 Write 1.625 as an improper fraction?

A shop sells four sizes of Easter eggs. Altogether it sells 5982 eggs, of which 1697 are small and 1049 are medium size. The remaining eggs are large and extra large. 25% of the remaining eggs sold are extra large. How many extra large eggs are sold?

Complete:

3

L

$$\frac{2}{5} \div 4 =$$

3

5

Alice makes a drink for a party of 16 children. She uses four litres of lemonade and three litres of juice. How much drink would each child have if the drink was shared equally?



a and b are whole numbers between 5 and 9. Write all the combinations showing the possible values of a and b where:

2a - b = 8





1 Bags of mini chocolate eggs contain six milk chocolate eggs, five plain chocolate eggs and three white chocolate eggs. Jake would like 15 plain chocolate eggs. How many milk and white chocolate eggs will he have?





Calculate the angles in this regular decagon: 8 Express the answer to this word problem algebraically, using h to represent the number hours Miles is asleep in a day, when he spends





7

Order the following numbers from smallest to largest:

776 776, 767 767, 767 677, 776 677

767 677 767 767 776 677 776 776

Here are some estimated answers to some calculations. Tick the reasonable estimates.

785 × 8 ≈ 7000

65 712 - 34 989 ≈ 20 000

 \checkmark 653 ÷ 13 ≈ 50

Explain why any estimates are unreasonable.

800 × 8 = 6400 and answer must be smaller

65 - 34 = 31, so 30 000 a better estimate.



44 groups (two children left over)

4 Simplify the following fractions.

$$\frac{6}{15} = \frac{2}{5}$$
 $\frac{24}{32} = \frac{3}{4}$

Calculate:

0.1 x 100 = **10**

0.8 x 100 = **80**

0.4 x 100 = **40**

Convert the following:

0.31 =300ml

5.8l = 5800 ml



7 I have two flat faces that are circles, which are parallel to each other. The other face is a curved face that joins the circles. What am I?

A cylinder













(2







 \smile







2

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287 109











Bags of mini chocolate eggs contain six milk chocolate eggs, five plain chocolate eggs and three white chocolate eggs. Jake would like 15 plain chocolate eggs. How many milk and white chocolate eggs will he have?

18 milk and 9 white chocolate eggs





Calculate the angles in this regular decagon: 144° 8 Express the answer to this word problem algebraically, using h to represent the number hours Miles is asleep in a day, when he spends seven hours at school and is awake for another nine hours.

other answers possible



