# 5 a day!

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Write the following Roman numerals in ascending order.

CMI    CCCXC    DC    CXCIX

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Calculate:

$$\frac{1}{4} + \frac{1}{2} = \boxed{\phantom{xx}}$$

$$\frac{4}{5} - \frac{3}{10} = \boxed{\phantom{xx}}$$

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Two litres of juice is shared among eight people. How much juice do they each receive?

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Create three different equations that will balance the scale when $r = 8$.

$r^2$

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Calculate:

$3 \times (6-4) =$

$4 + 7 \times 3 =$

$(5 + 11) \, 4 =$

# 5 a day!

Use $<$, $>$ or $=$ to complete the statements.
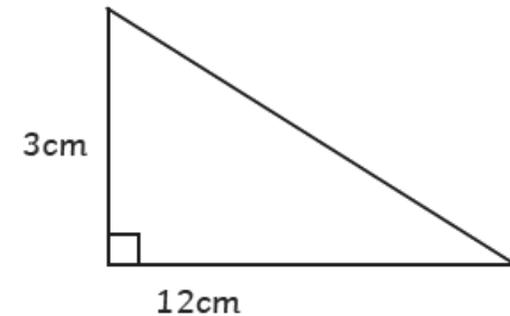
CDLV ☐ 355

699 ☐ DCXCIX

CDXXVII ☐ 430

A packet of pens has three red and five blue pens. Jay buys some packets of pens. There are 15 blue pens. How many red pens are there?
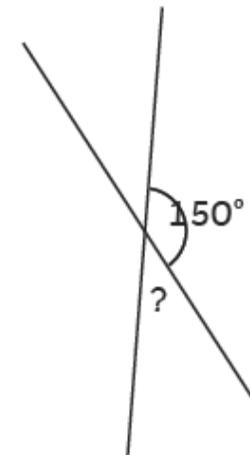
Calculate the area of this right-angles triangle.

3cm

12cm

A collector has 387 coins on display, 298 coins in storage and buys a further 38 coins at an auction. How many coins does the collector have altogether?

Calculate the unknown angle.

150°

?

# 5 a day!

There are 11 people in a cafe. Coffee is £2 and tea is £1.50. The takings are £20, of which £6 was taken on tea. How many people drink coffee?

True or false?

$$a = bc - 5$$

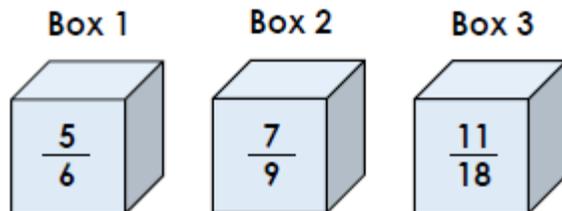When $b = 10$ and $c = 9$, $a = 14$.

Explain your answer.

Tick to show whether the number rounds to 2,900,000 or 3,000,000 to the nearest 100,000.

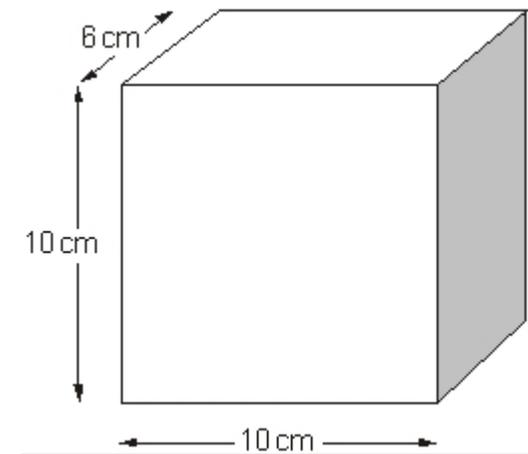| Number | Rounds to 2,900,000 | Rounds to 3,000,000 |
|---|---|---|
| 2,858,790 | | |
| 3,015,830 | | |
| 2,945,745 | | |

John-Paul has ordered three boxes in ascending order. Has he ordered the boxes correctly? Explain how you know.

Box 1
$\frac{5}{6}$

Box 2
$\frac{7}{9}$

Box 3
$\frac{11}{18}$

Calculate the volume of this cuboid.

6 cm

10 cm

10 cm

Not drawn accurately

# 5 a day!

Use the multiplication cards to complete the following calculations.

A. 35.650 [    ] = 35,650

B. 0.874 [    ] = 8.74

C. 968.48 [    ] = 96,848

[ x 10 ]   [ x 100 ]   [ x 1,000 ]

Calculate:

$\frac{1}{4} \div 2 =$ [    ]

$\frac{1}{2} \div 5 =$ [    ]

Round the number below to the nearest 10,000, 100,000 and 1,000,000

Two million, seven hundred and five thousand, six hundred and fifty-four.

Jack is learning about negative numbers. He says,

Is he correct? Explain why.

The temperature outside is 1°C. If it changes by 4°C, it will either be 5°C or -5°C.

Evie is looking at the values below:

$a = 3b - 4$

$c = a + 10$

She says,

If $b = 5$ then $c = 20$.

Is she correct? Explain your answer.

# 5 a day!

In this sequence, the rule to get to the next number is **Multiply by 2, and then add 3**

Write the missing numbers.

| | 25 | 53 | |
|---|---|---|---|

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Use the equation below to work out the value of a and b.

$$a = 2b - 5$$

$$b = 6 \times 4 + \frac{1}{2}$$

a = ☐   b = ☐

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Ben asked 60 children to choose their favourite flavour jelly. These were his results.

Flavour Number of children
Raspberry 12
Lemon 8
Orange 15
Blackcurrant 25
Total 60

What percentage of the 60 children chose orange?

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Libbie has worked out the answer to 2475 x 31 below.

|   |   | 2 | 4 | 7 | 5 |
|---|---|---|---|---|---|
| x |   |   |   | 3 | 1 |
|   |   | 2 | 4 | 7 | 5 |
|   |   | 7 | 4 | 2 | 5 |
|   |   | 9 | 8 | 9 | 5 |

Is Libbie correct? Explain your answer.

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Amy, Olivia and Leon are shopping for carpet. They buy the following amounts.

Amy buys $\frac{1}{2}$ of a roll.

Olivia buys $\frac{3}{5}$ of a roll.

Leon buys $\frac{3}{4}$ of a roll.

Who bought the most carpet? Convince me.

# 5 a day!