

'5 for 5'

Mathematics Challenge

This booklet is designed to keep your brains 'ticking over' during the termly break. Just a few short activities will mean that you return ready to learn and raring to go!

Try to really impress your teacher by completing one challenge for each day of the week off.

Circle any questions that you'd like some more help with when term starts again.

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6

Here is a number sentence:

62 - < 48

Circle all the numbers below that make the number sentence correct.

12 48 30 5 13

7

Here are 6 digit cards.

1 2 3 4 6 7

Use all six digit cards once to make, a prime number, a square number and a number that is a multiple of 4.

Prime number

Square number

Multiple of 4

8

Claire thinks of a number. She multiplies it by 10, adds 17 and then halves it. Her answer is 60. What number was she thinking of at the start?

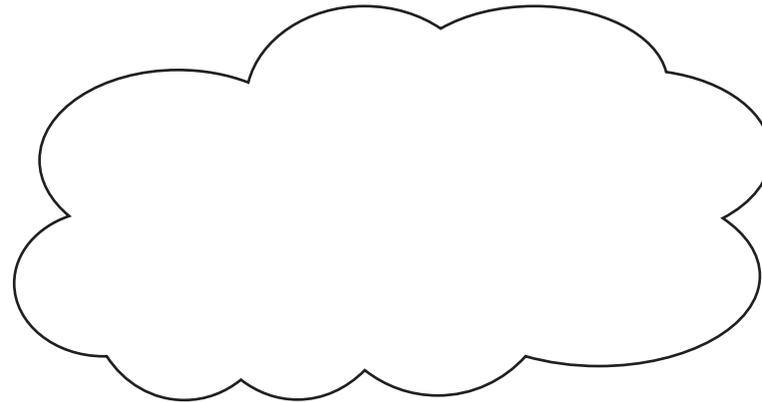
1 mark

9

Seb says 63 is the lowest common multiple of 7 and 9.

Is Seb correct? Circle **Yes** or **No**

Explain how you know.



1 mark

1 mark

10

Write the missing numbers.

_____, 29364, 29475, _____, 29697, _____

1 mark

1 mark



Day 1

Reasoning Questions

Day 4

Arithmetic Questions

1 $16 \times 4 + (19 - 8) =$

$16 \times 4 + (19 - 8) =$																			

1 mark

2 $\underline{\hspace{2cm}} = \frac{3}{4} \times 200$

$\underline{\hspace{2cm}} = \frac{3}{4} \times 200$																			

1 mark

3

$\underline{\hspace{2cm}} - \frac{2}{6} = \frac{1}{3}$

$\underline{\hspace{2cm}} - \frac{2}{6} = \frac{1}{3}$																			

1 mark

4

$5^3 - 3^2 =$

$5^3 - 3^2 =$																			

1 mark

5

$5692 \div 13 =$

$5692 \div 13 =$																			

1 mark

6

Find the value of the symbols. ▲ ■ ★

■ + ■ + = 18

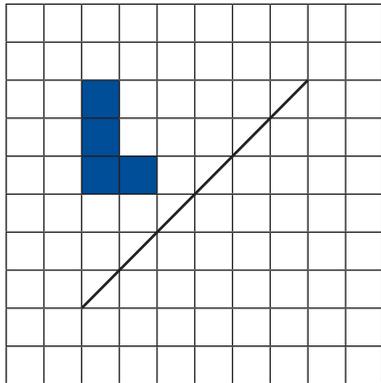
▲ - ■ = 2

★ x ■ = 30

▲ = _____ ■ = _____ ★ = _____

7

Reflect the shape in the mirror line.



8

3y + x = 24

When x = 3 y =

When y = 4 x =



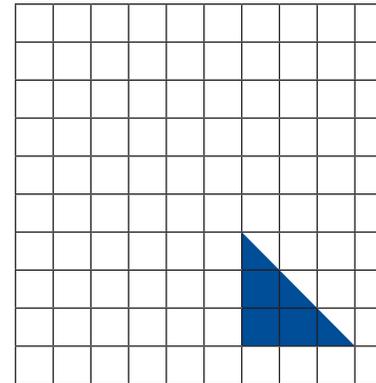
Day 4

Reasoning Questions

9

Translate the shape 3 squares left and 4 squares up.

_____ 1 mark

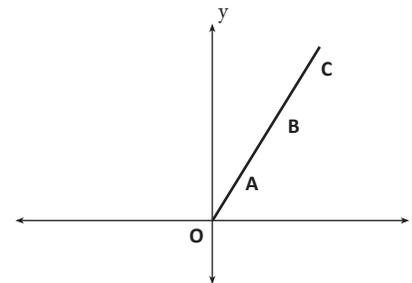


_____ 1 mark

10

Here is a line on a coordinate axes.

_____ 1 mark



Points O, A, B and C are equally spaced. The coordinates of A are (12,15). What are the coordinates of point C?

_____ 1 mark

= _____

_____ 1 mark

