Ages 10-11

Addition, Subtraction, Muliplication and Division

Tag us online:

#numberday

Let's remember:

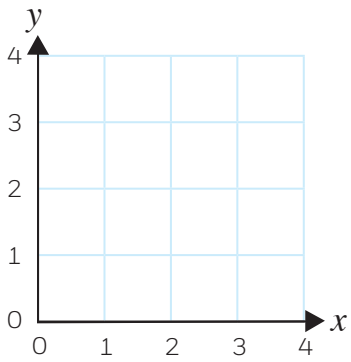
1. 12,572 + 4,089 = ☐

2. 3 - 8 = ☐

3. A 3-D shape is made of 8 cubes. The volume of each cube is 1 cm³.

   What is the volume of the shape? ☐ cm³

4. Plot a point with coordinates (3, 0) and label it A.



Let's practise:

1. Here are some numbers.

2,195	3,400	5,721	6,000	803
920	85	32,595	118,764	22,817

a) Which numbers are divisible by 2? .....

b) Which numbers are divisible by 5? .....

c) Which numbers are divisible by10? .....

d) How did you decide? .....

2. Complete the calculations.

a) $4^2 = 4 \times 4 =$ ☐

b) $9^2 =$ ☐ x ☐ = ☐

c) $3^2 = 3 \times 3 \times 3 =$ ☐

d) $5^3 =$ ☐

e) $8^2 + 1^3 =$ ☐

f) ☐ $= 6^2 - 2^3$

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3. Here is a hundred square.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Cross out all the multiples of:

a) 2, except 2

b) 3, except 3

c) 5, except 5

d) 7, except 7

e) 11, except 11

Circle the numbers that have not been crossed out. What is special about these numbers?

.....

.....

4. Mo knows a rule to test whether numbers are divisible by 3

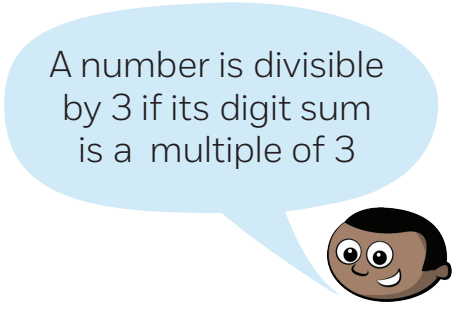
a) Use Mo's rule to decide which of the numbers are divisible by 3 and circle them.

582 728 517 6,324 5,999 17,001

b) Tick the numbers that are also divisible by 6

How do you know?

.....



Crack the code

Use your answers in the coloured boxes to crack the code.

125	28	16	8	65
o	e	h	w	l

....

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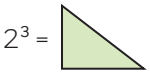
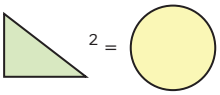
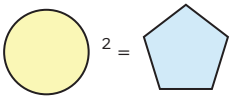
Think it out

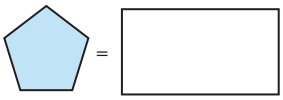
Work out the value of the pentagon.

2^3 =









Which shape will you look at first?

Talk it out

Explain to someone in your home how you can easily check if a number is divisible by 3

Show them how using an example of a 6-digit number that is divisible by 3

A number is divisible by 3 using the rule ...

I can prove that the rule works by dividing my chosen number by 3

How did you find these questions?

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