Day 1

1 497 + 10 =

1mark

2 356 x 9 =

1mark

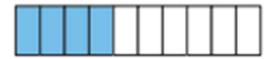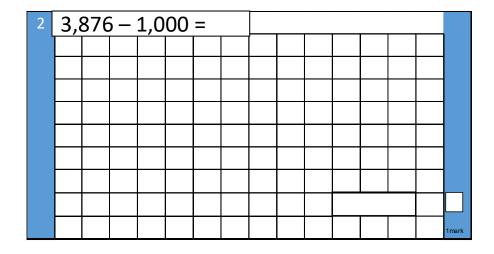3. The time is 16:44. What time will it be in 23 minutes time?

Solutions
1. 507
2. 3,204
3. 17:07

PiXL PRIMARY

Day 2

1 $4,504 \div 8 =$

1mark

2 $3,876 - 1,000 =$

1mark

3. How much of the diagram is shaded? Simplify your answer.

Solutions

1. 563

2. 2,876

3. $\dfrac{4}{10} = \dfrac{2}{5}$

PiXL PRIMARY

Day 3

1 ⬜ = 567 − 99

1mark

2 15 − 5 x 9 =

1mark

3. What is the difference between the two temperatures?

Moscow	London
-12°C	8°C

Solutions

1. 468
2. -30
3. 20 degrees

PiXL PRIMARY

Day 4

1 42 x 4 =

1mark

2 $\frac{5}{6} + \frac{3}{12} =$

1mark

3. Rewrite the fractions in **ascending** order.

$$\frac{3}{10} \qquad \frac{2}{100} \qquad \frac{4}{5} \qquad \frac{7}{20}$$

PiXL PRIMARY

Day 5

1 2,398 + 345 =

1mark

2 _____ = 456 ÷ 10

1mark

3. Ben says 1.4 x 1,000 is the same as 14 x 100. Do you agree? Yes or No. Explain your answer.

PiXL PRIMARY

Day 6

1 $30,000 - 750 =$

1mark

2 $\frac{3}{5} \times \frac{4}{6} =$ Simplify your answer.

1mark

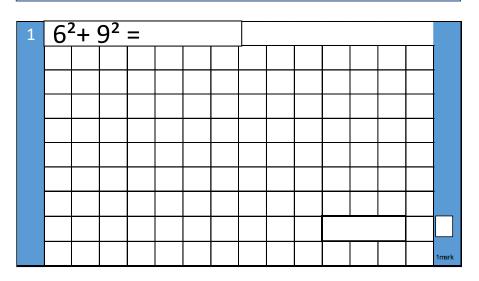3. Explain why a number which ends in '5' cannot be a multiple of 8.
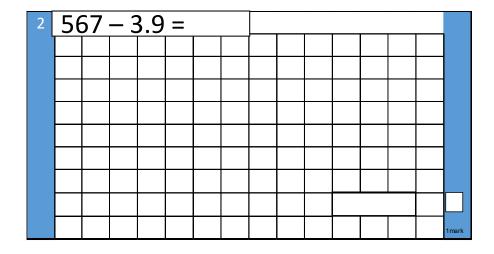
Solutions

1. 29,250

2. $\frac{12}{30} = \frac{2}{5}$

3. All of the multiples of 8 are even, so a number ending in '5' cannot be a multiple of 8 as it is odd.
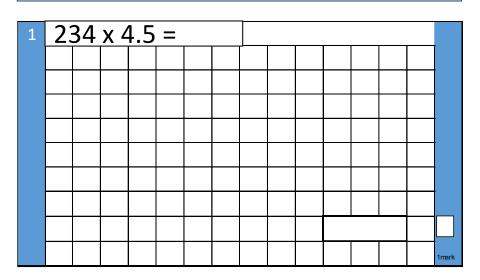
Day 7

1 $6^2 + 9^2 =$

1mark

2 $567 - 3.9 =$

1mark

3. Write down the numbers which are **common multiples** of 3 and 8.

32   24   800   96   30

Solutions
1. 117
2. 563.1
3. 24, 96

Day 8

1 234 x 4.5 =

1mark

2 $\dfrac{8}{15} - \dfrac{2}{5} =$

1mark

3. Insert a pair of brackets to make the statement true.

$120 - 48 \div 8 = 114$

Solutions
1. 1,053
2. $\dfrac{2}{15}$
3. $120 - (48 \div 8) = 114$

PiXL PRIMARY

Day 9

1.

$$\boxed{} = 5 \times \frac{3}{4}$$

1mark

2. 85 x 64 =

1mark

3.

X 10	X 100	X 1000
÷ 10	÷ 100	÷ 1000

Use a card to complete each calculation.

3.5 $\boxed{}$ = 35

3.5 $\boxed{}$ = 0.035

3.5 $\boxed{}$ = 350

Day 10

1 20% x 350 =

1mark

2 34.567 − 4.9

1mark

3. Write down all the possible **prime numbers** which could make this statement true.

24 + ☐ < 36

PiXL PRIMARY

Day 11

1 8 − 0.45 =

1mark

2 $5\frac{2}{6} - 3\frac{1}{12}$

1mark

3. Rewrite the numbers in **descending** order.

0.45   0.4   0.045   0.455

PiXL PRIMARY

Day 12

1 3,584 ÷ 14 =

1mark

2 ☐ = 15% of 440

1mark

3.

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

Write down the **lowest common multiple** of 3 and 5 in this table.

Solutions
1. 256
2. 66
3. 75

PiXL
PRIMARY

Day 13

1 45.6 + 123.9 =

2 32,134 − 1,000 =

3. Use the symbols <, > or = to make each number sentence correct.

10% of 400 is ☐ 40

25% of 500 is ☐ 40

15% of 300 is ☐ 40

5% of 100 is ☐ 40

Solutions

1. 169.5

2. 31,134

3. =   >   >   <

Day 14

1 345 x 8 =
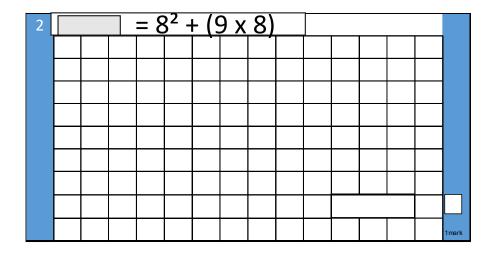
1mark

2 ☐ = 8² + (9 x 8)

1mark

3. Fill in the missing digits to make this fraction number sentence correct.
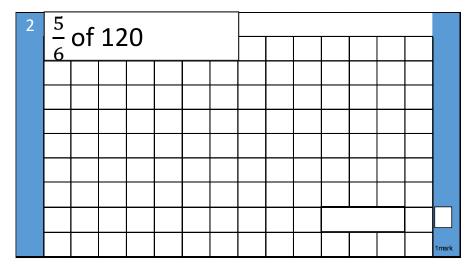
$$\frac{3}{\square} = \frac{6}{8} = \frac{\square}{12}$$

PiXL PRIMARY

Day 15

1. $720 \div 9 =$
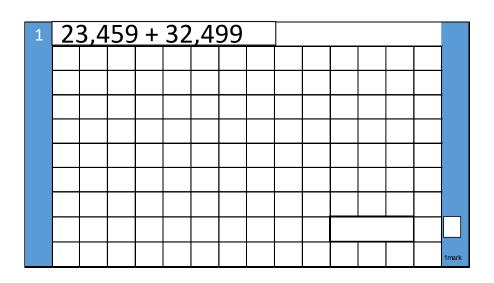
1mark

2. $\dfrac{5}{6}$ of 120

1mark

3. A model aeroplane is made to a scale of 1:100. If the model is 15 cm long, what is the length of the real aeroplane? **Give your answer in metres.**
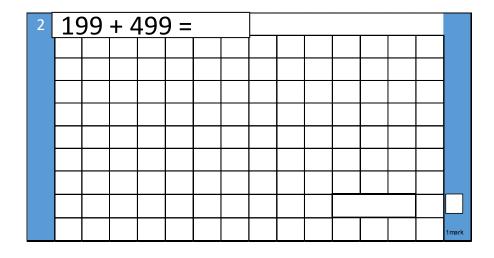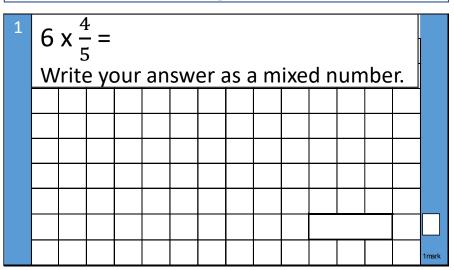
Solutions
1. 80
2. 100
3. 1,500cm = 15m

PiXL PRIMARY

Day 16

1 23,459 + 32,499

1mark

2 199 + 499 =

1mark

3. Complete the table.

Number	Rounded to the nearest one	Rounded to the nearest 100
56.9		
124.45		
369.99		

Solutions
1. 55,958
2. 698
3. 57,100; 124,100; 370,400

Day 17

1 $6 \times \dfrac{4}{5} =$

Write your answer as a mixed number.

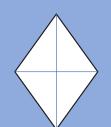1mark

2 $456 \div 100 =$

1mark

3. Write down the name of the shape whose diagonals intersect at right angles.

Solutions

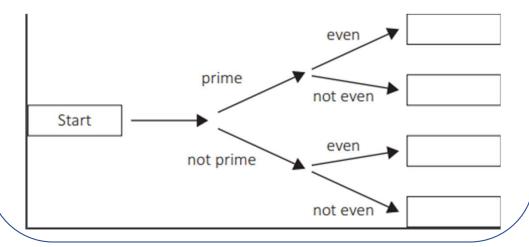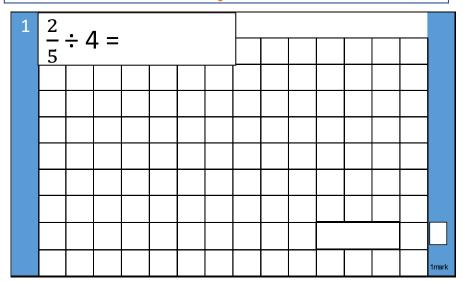1. $\dfrac{24}{5} = 4\dfrac{4}{5}$

2. 4.56

3. rhombus

PiXL PRIMARY

Day 18

1 399 – 199 =

1mark

2 9,675 ÷ 15 =

1mark

3. Place each number below in the correct box in the diagram.

| 11 | 24 | 2 | 33 |

Start → prime → even / not even

not prime → even / not even

PiXL PRIMARY

Day 19

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

1mark

2. 15% of 48 =

1mark

3. Sketch the shape then colour (or label it) so the ratio of red to green is 3:1

PiXL PRIMARY

Day 20

1 32 x 4 =

1mark

2 4³ =

1mark

3. Write the number that has six ones, 0 tenths and 5 hundredths.

Solutions
1. 128
2. 64
3. 6.05

PiXL PRIMARY

Day 21

1 56.9 – 12 =

1mark

2 $\dfrac{3}{8} - \dfrac{2}{7} =$

1mark

3. Complete the table.

Improper Fraction	Mixed Number
	$2\,\dfrac{3}{5}$
$\dfrac{27}{5}$	

PiXL PRIMARY

Day 22

1 ☐ = 34 x 45

1mark

2 3.04 x ☐ = 304

1mark

3. Write down the number that is closest to 60.

60.1   59.91   60.001   59.09

PiXL PRIMARY

Day 23

1 0.072 x 10 =

1mark

2 3.45 x 23 =
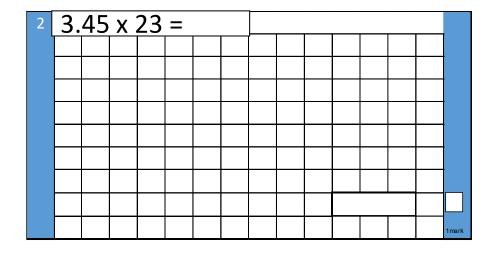
1mark

3. Look at these numbers written in Roman numerals.

XIX   M   DCC   LXX   XV   DX   CCC
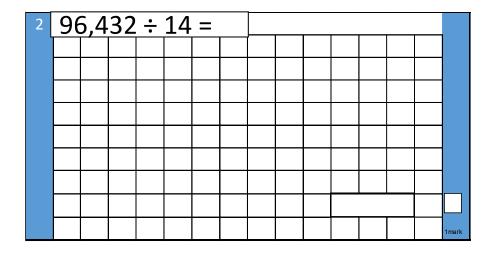
Write down all the numbers **more than** 500.
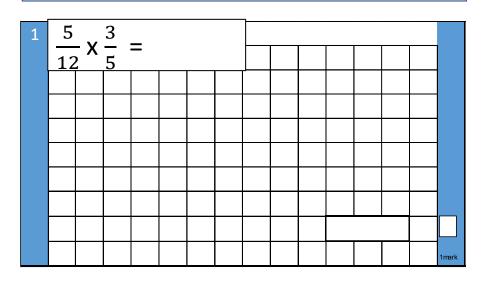
Solutions
1. 0.72
2. 79.35
3. M, DCC, DX

Day 24

1. $5^2 + 3^3 =$

1mark

2. $96,432 \div 14 =$

1mark

3. Calculate the missing angle B.

B   24°

PiXL PRIMARY

Day 25

1 $\dfrac{5}{12}$ x $\dfrac{3}{5}$ =

1mark

2 $128 - 36 \div 6 =$

1mark

3. Insert the missing numbers.

	x 10	x 100	x 1,000
	4	40	
	0.6		60

Solutions

1. $\dfrac{15}{60} = \dfrac{1}{4}$

2. 122

3. 0.4, 400; 0.06, 6

PiXL PRIMARY

Day 26

1 52 x 4 =

1mark

2 234 − 56.9 =

1mark

3. The perimeter of a **regular** hexagon is 120cm. What is the length of each side?

Solutions
1. 208
2. 177.1
3. 20cm

PiXL PRIMARY

Day 27

1 345 x 18 =

1mark

2 50 x 600 =

1mark

3. Rewrite these numbers in **ascending order.**

$\frac{2}{5}$ 25%   60% $\frac{4}{25}$ 0.2

Solutions
1. 6,210
2. 30,000
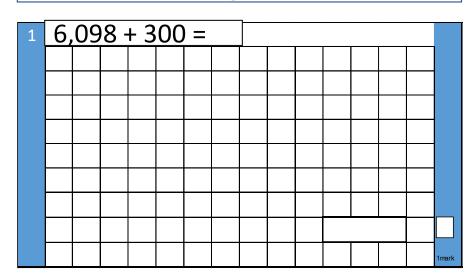3. $\frac{4}{25}$, 0.2, 25%, $\frac{2}{5}$, 60%

PiXL
PRIMARY

Day 28

1 0.004 x 1,000 =

1mark

2 [____] = 864 ÷ 18

1mark

3. Identify the missing numbers in these sequences.

a) 4, 9, 15, ___ , ___ , 39

b) 12, 7, 2, ___ , ___ , - 13

PiXL
PRIMARY

Day 29

1. 6,098 + 300 =

1mark

2. 546 - 359 =
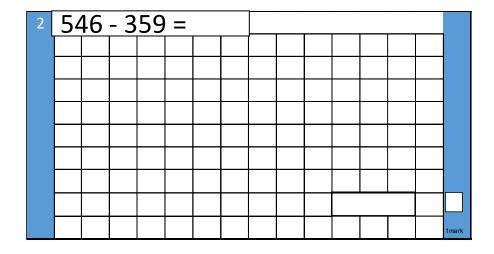
1mark

3. If n = 7, match the answers to the correct expression.

n^2 3.5

n -12   49

n ÷ 2   -5

Solutions
1. 6,398
2. 187
3. n^2 = 49; n -12 = -5;
n ÷ 2 = 3.5

PiXL PRIMARY

Day 30

1 | 40% of 360 =

2 | 32 x 4.5 =

3. The volume of this **cube** is 27cm ^{3}. What is the length of one edge? What is the area of one face?

Solutions

1. 144

2. 144

3. Length of edge= 3cm

   Area of a face = 9cm^2

PiXL PRIMARY