Maths

For each lesson, please write the date and Learning Objective (L.O.)
in your workbooks before completing the tasks.

Lesson 1 (Wednesday 6th January)

L.O. To count in multiples of 8.

-Please practise counting in 8s.

-This can be done by clicking on the links below to practise using songs or/and using the grid to colour in the 8s.

-Then complete your maths challenge (which you normally complete in class) in your workbook.

-Extension- try the next challenge or even all 3 challenges.

Counting in 8s songs

(568) Counting by 8s - YouTube

The Counting by Eights Song | Counting Songs | Scratch Garden - Bing video

Count in 8s and colour in the grid:

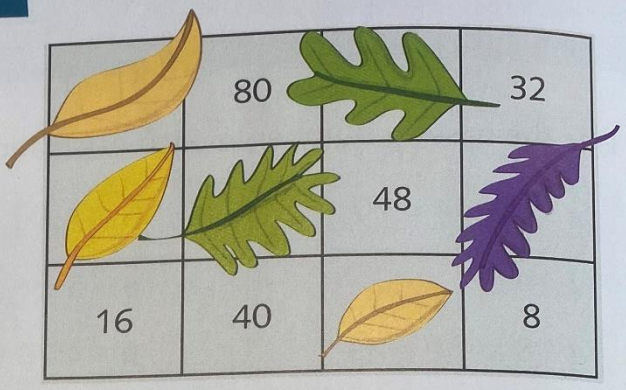
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120

Counting in 8s

Count in multiples of 8

Challenge 1

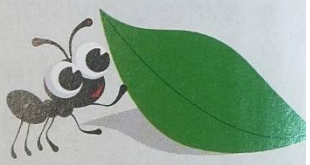
Some of the multiples of 8 are missing from the number grid. Rewrite the number grid correctly, putting the multiples of 8 in order, smallest to largest.



Challenge 2

1 Write the previous multiple of 8 for these numbers.

a 16 **b** 48 **c** 64 **d** 80 **e** 24



2 Write the next multiple of 8 for these numbers.

a 40 **b** 8 **c** 32 **d** 72 **e** 56

3 Write the multiple of 8 that is two multiples of 8 more than these numbers.

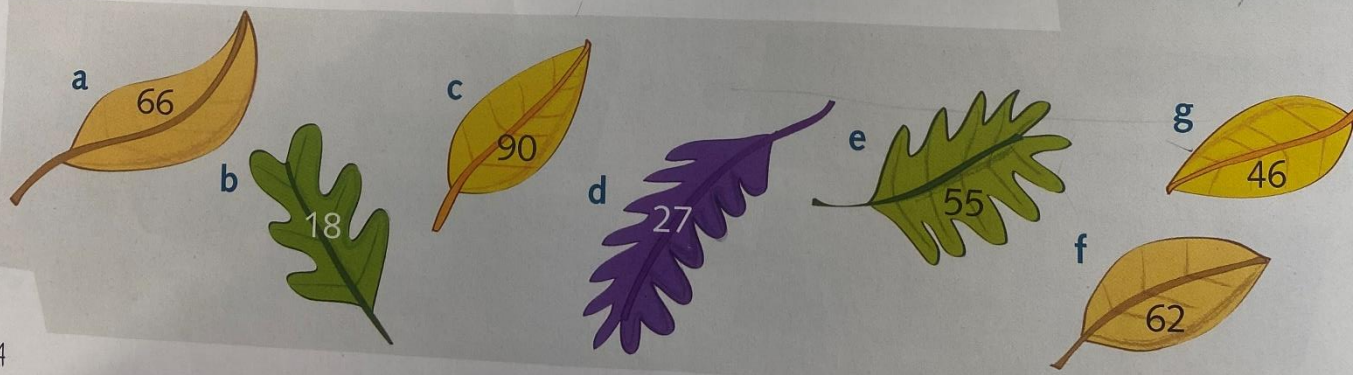
a 8 **b** 32 **c** 72 **d** 48 **e** 64

4 Write the multiple of 8 that is two multiples of 8 less than these numbers.

a 24 **b** 80 **c** 40 **d** 56 **e** 96

Challenge 3

Write the multiple of 8 that comes before these numbers.



Lesson 2 (Thursday 7th January)

L.O.To recall the multiplication and division facts for the 8 multiplication table.

Yesterday we practised counting in multiples of 8. Today we are going to recall multiplication and division facts for the 8 x tables.

- Firstly, write in your workbooks all the multiples of 8 (these will help you with your work).
- Then complete the times table and division sheet attached.
- Finally, complete your challenge on the worksheet.
- Extension- try the next challenge or even all 3 challenges.

Work out these answers:

a) 2 x 8 = _____

b) 10 x 8 = _____

c) 5 x 8 = _____

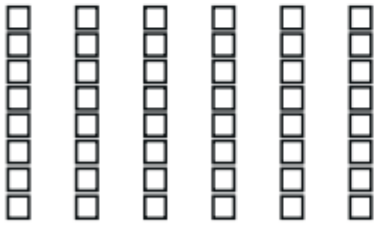
d) 8 x 8 = _____

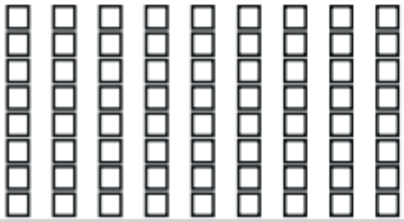
e) 7 x 8 = _____

f) 12 x 8 = _____

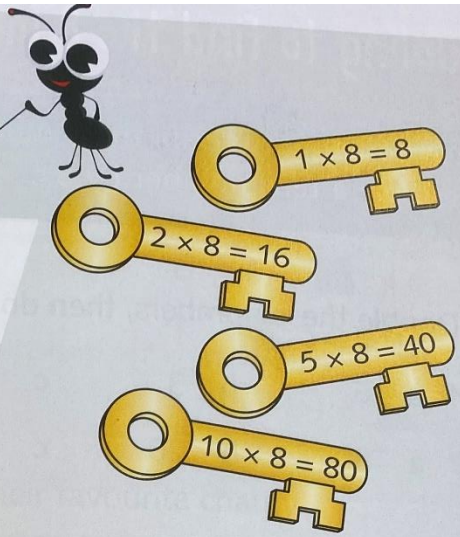
How many blocks are there?

a) _____ x _____ = _____

b)  _____ x _____ = _____

c)  _____ x _____ = _____

Recall the multiplication and division facts for the 8 multiplication table



1 Write down which of the key facts you would use to answer the multiplication facts below. Then write the answers to these facts.

a 9 × 8 = **b** 7 × 8 = **c** 4 × 8 =

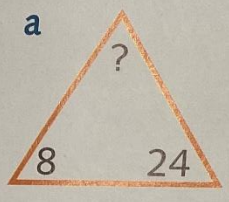
d 6 × 8 = **e** 3 × 8 = **f** 8 × 8 =

2 Write the multiples of 8 from 8 to 96.

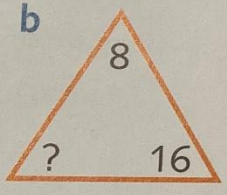
8, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____, 96

1 One number in each trio is missing. Work out the missing number in each set of trios, then write two multiplication and two division facts for each.

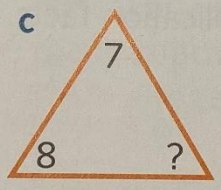
a



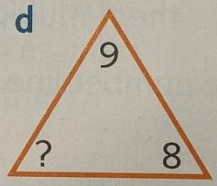
b



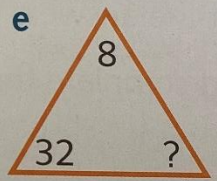
c



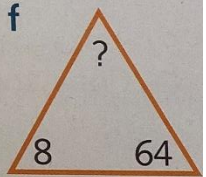
d



e



f



2 Find the missing number in each calculation.

a ★ × 8 = 40 **b** 8 × ★ = 24 **c** 8 × ★ = 72

d ★ × 8 = 32 **e** ★ × 8 = 64 **f** 48 ÷ ★ = 8

g 56 ÷ ★ = 8 **h** ★ ÷ 8 = 11 **i** 64 ÷ ★ = 8

Read the clues to find the numbers.

I am a multiple of 3, 4 and 8. — I am less than 40. — I am an even number — I am… ?

We are multiples of 4 and 8. — We are greater than 20 but less than 40. — We are… ?

Lesson 3 (Friday 6th January)

L.O. To solve word problems and reason mathematically.

Continuing with our knowledge of the 8x table, today we are going to look at word problems and reason mathematically.

-Carefully read the questions.

-If you are completing word problems, remember to circle or highlight key words or numbers to help you before answering the questions.

- Complete your challenge on the worksheet.

- Extension- try the next challenge or even all 3 challenges.

Solving word problems (4)

Solve word problems and reason mathematically

Challenge 1

Find the missing number in each calculation.

a ● ÷ 4 = 5

b 7 × ▲ = 28

c 16 = ■ × 4

d 64 ÷ ■ = 8

e 5 × ⬢ = 40

f ⬢ ÷ 4 = 12

g 8 × ⬢ = 24

h 40 = 8 × ■

i 36 ÷ 4 = ▲

Challenge 2

Year 3 are having a bake sale to raise money for their favourite charity.

1 10 bags of popcorn cost £4. How much do 40 bags cost?

2 There are 32 biscuits on each tray. There are 8 biscuits in each row. How many rows of biscuits?

3 There are 24 chocolate cakes to sell. 8 children buy an equal number each. How many cakes do they buy?

4 There are 7 large cakes for sale. Each cake can be split into 8 slices. How many slices are there altogether?

5 9 children buy 4 cupcakes each. How many cupcakes are there altogether?

6 Cupcakes cost 40p each. Jana buys 5 and Rani buys 3. How much do they spend altogether on cakes?

7 The cake stall made 4 times more money than the popcorn stall. If the cake stall made £48, how much did the popcorn stall make?

8 Year 4 children spent £16 at the bake sale. They spent £12 less than Year 3 children. How much did Year 3 spend?

9 Year 3 made £96. They paid £8 back to the office for supplies and the rest went to charity. How much did they give to their charity?

Challenge

Make up your own word problems for the calculations. Swap them with a friend to solve.

a 8 × 4 =

b 60 × 4 =

c 40 × 4 =

d 36 ÷ 4 =

e 48 ÷ 8 =

f 64 ÷ 8 =