Maths

Multiplication and Division



Maths | Year 3 | Multiplication and Division | Learning the Facts | Lesson 3 of 3: Pieces of Eight

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Aim

• I can multiply and divide by 8.

Success Criteria

- I can count in 8s.
- I can recognise multiples of 8 up to 12 × 8.
- I can write multiplication sentences for arrays up to 12 × 8.
- I can use arrays to find division facts.
- I can use my knowledge of the 8× table to find division facts.
- I can investigate the multiples of 8, finding patterns in the digits.



Loop Cards



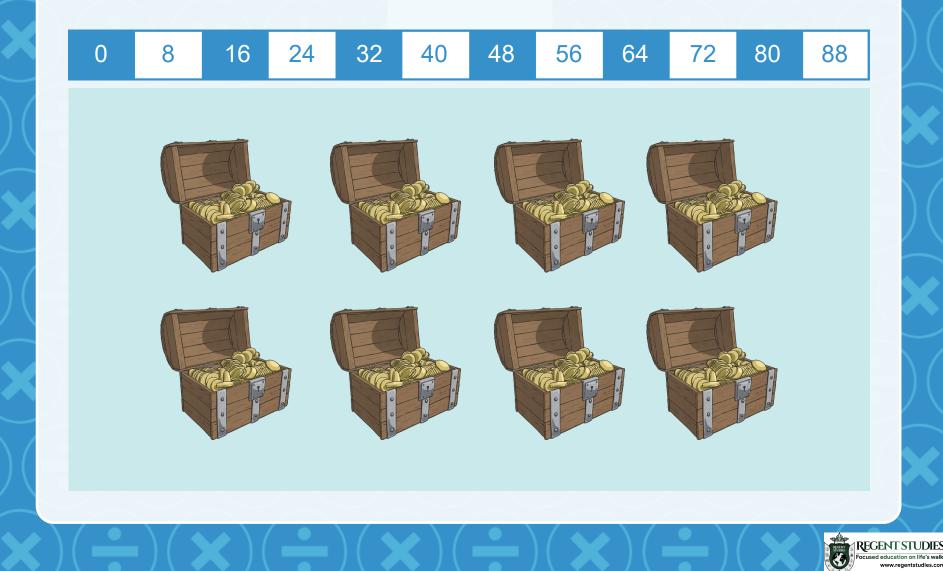
Let's see how long it takes you to complete the loop!

I have	1 have	1 have	1 have	1 have	I have	Who has?
1	10	80	40	3	7	9 × 8
I have	1 have	1 heve	1 have	1 have	1 have	Who has?
O	24	11	9	32	72	12 × 8
I have	1 heve	^{1 have}	I have	I have	I have	Who has?
2	6	48	4	5	96	11 × 8
^{1 have}	I have	1 have	I have	1 have	I have	Who has?
64	8	12	56	16	88	8 ÷ 8

We will be trying to beat our score later in this lesson.



Let's Count in 8s!





How many gold coins have the pirates got?





There are 8 pirates.



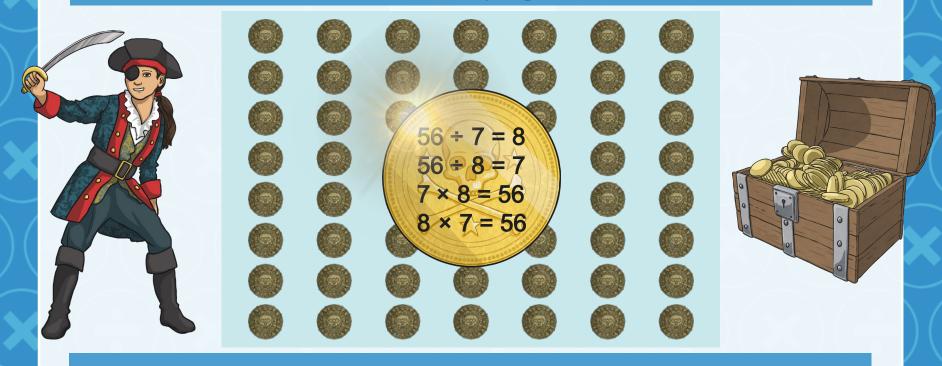
How many coins would each pirate get?

Can you share the treasure equally between them?





Pirate Jake gets seasick and has to go home, now there are only **7** pirates left!



How many gold coins does each pirate get now?

What are the 2 multiplication and 2 division facts that describe this array of coins?





How many gold coins have the pirates got this time?



How can you work this out?





Pirate Polly has joined the crew. Now there are **eight** pirates again.



Can you share this treasure fairly between the eight pirates?

How many coins would each pirate get?





Pirate Jake is feeling better and asks for his share of this treasure. Now there are **9** pirates!



How many gold coins does each pirate get?

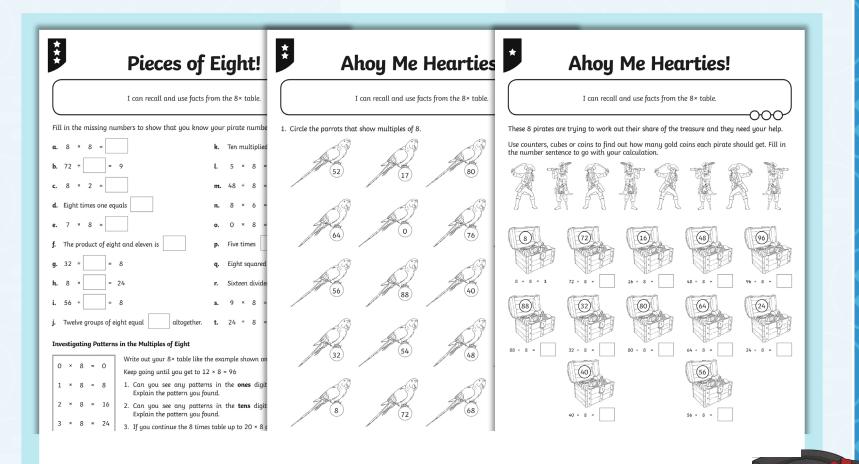




What are the **2 multiplication** and **2 division** facts that describe this group of coins?



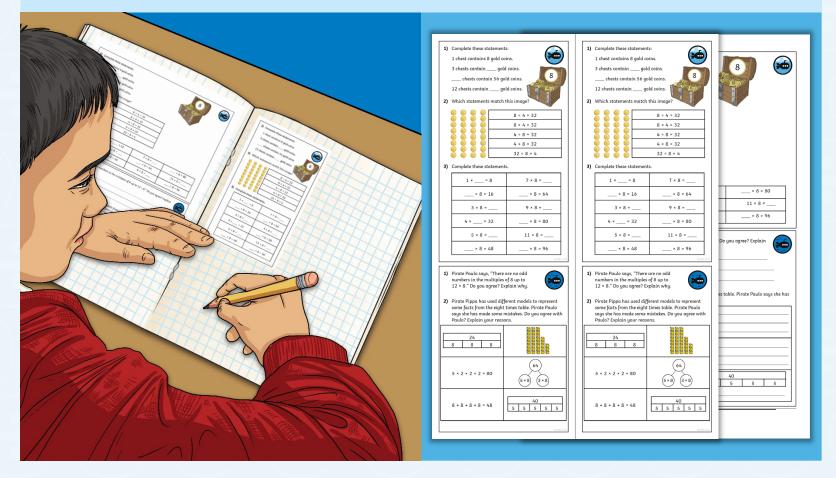
The 8s Activities





Diving into Mastery

Dive in by completing your own activity!



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Loop Cards



I have	1 have	1 have	^{1 have}	I have	1 have	Who has?
1	10	80	40	3	7	9 × 8
1 have	^{1 have}	1 heve	1 have	1 have	1 have	Who has?
O	24	11	9	32	72	12 × 8
1 have	1 have	^{1 have}	1 have	1 have	1 have	Who has?
2	6	48	4	5	96	11 × 8
1 have	I have	1 have	1 have	1 have	1 have	Who has?
64	8	12	56	16	88	8 ÷ 8

Now you are expert pirates. Let's see if you can beat your score!



OTHER DE NO. 10

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