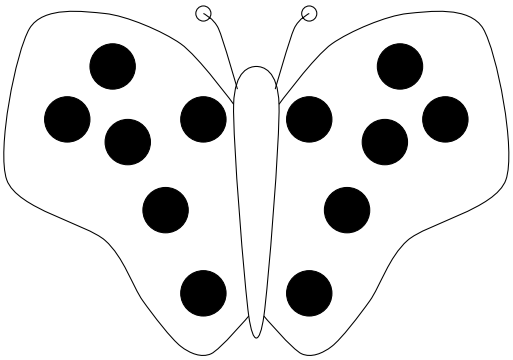
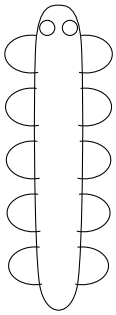
1. The maths teacher says there are two other ways to write half: $\frac{1}{2}$ and $\div 2$

   Complete these examples.



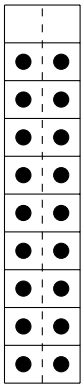
$\frac{1}{2}$ of 12 = ...

$12 \div 2 =$ .....



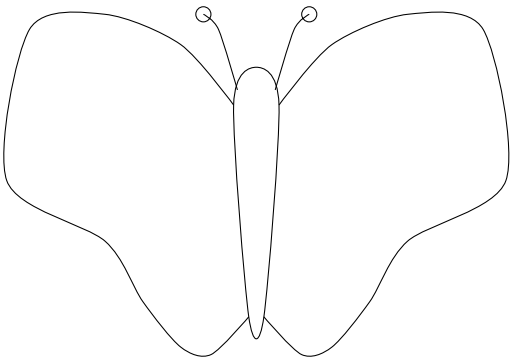
$\frac{1}{2}$ of 10 = ...

$10 \div 2 =$ .....



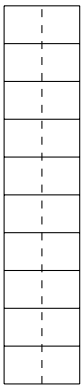
$\frac{1}{2}$ of 18 = ...

$18 \div 2 =$ .....



$14 \div 2 =$ .....

$8 \div 2 =$ .....

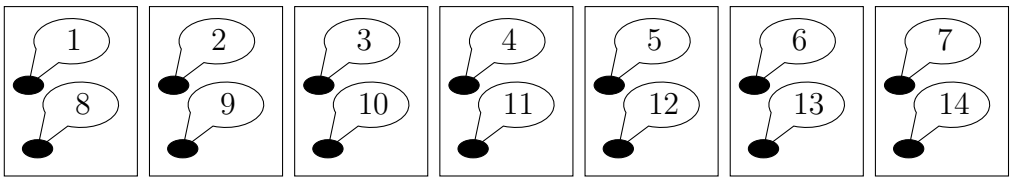


$16 \div 2 =$ .....

2. Mila works out $14 \div 7$ by fairly sharing out 14 counters into 7 boxes.

   She counts as she places the counters in each box.

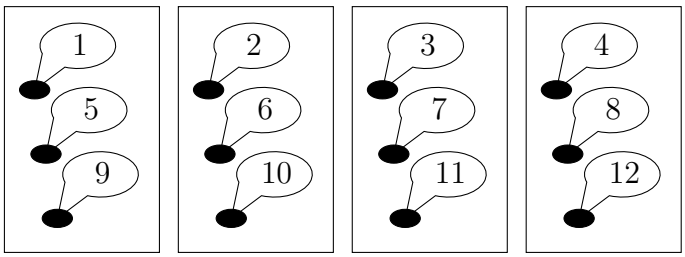
   14 counters fairly shared out into 7 boxes makes 2 counters in each box.



$14 \div 7 = 2$

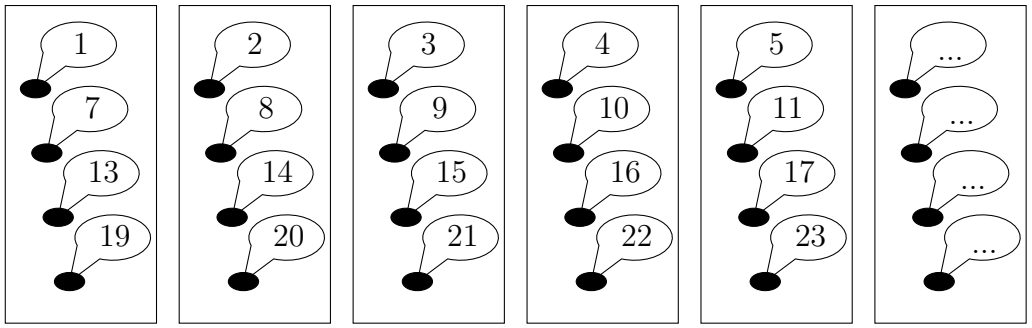
Complete the divide diagrams and facts below.

(a)



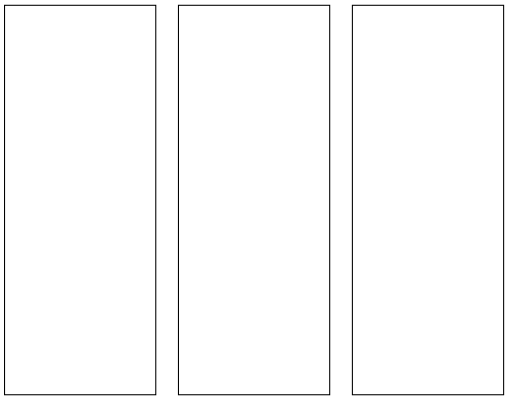
$12 \div 4 = ...$

(b)



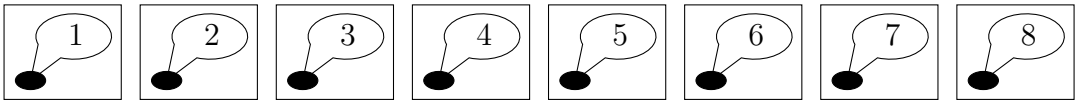
$24 \div 6 = ...$

(c)



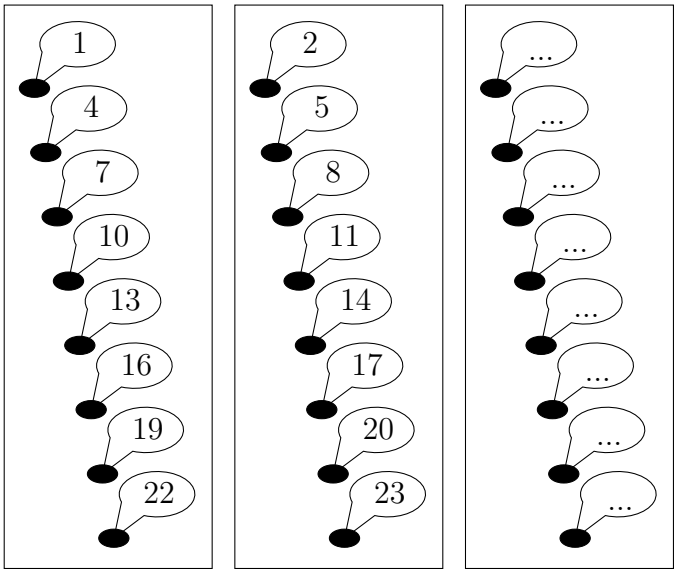
$15 \div 3 = ...$

(d)



$8 \div 8 = ...$

3. (a) One way to divide by 3 is to equally share counters into 3 boxes.



(i) Complete the speech bubbles for the last box.

(ii) Complete the divide fact $24 \div 3 = ...$

A quicker way to work out $24 \div 3$ using a multiplication table is shown below

(i) Look along row 3 until you reach 24

(ii) Look up to the top row to find the answer

(b) Complete the divide facts

e.g. $24 \div 3 = 8$

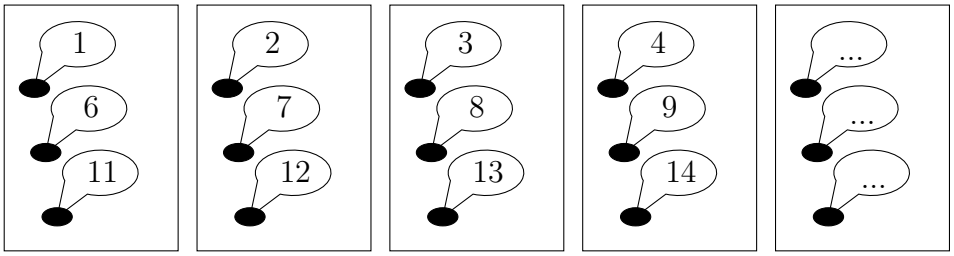
(i) $54 \div 6 = ...$

(ii) $32 \div 8 = ...$

(ii) $55 \div 11 = ...$

×	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

4. (a) One way to divide by 5 is to equally share counters into 5 boxes.



(i) Complete the speech bubbles for the last box.

(ii) Complete the divide fact $15 \div 5 =$ ...

A quicker way to work out $15 \div 5$ is to

(i) write out multiples of 5 until you reach 15 — 5, 10, ...

(ii) count the multiples to find the answer — 1, 2, (3)

(b) Complete these divide facts

(i) $12 \div 3 =$ ...

(ii) $20 \div 4 =$ ...

5. Complete the divide facts.

(i) $48 \div 8 =$ ....

(ii) $54 \div 6 =$ ....

(iii) $35 \div 7 =$ ....

×	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

6. Complete the workings out

   • $6 \times 20 =$ ..... is too .....

   • $6 \times 30 =$ ..... is too .....

×	2	3	4	5	6	7	8	9
6	12	18	24	30	36	42	48	54

$162 \div 6 =$ .....

6	×	2	0	=			
6	×		...	=			
6	×	2	...	=			

7. (a) Use this incomplete 6's row of the times table grid to complete

×	2	3	4	5	6	7	8	9	10
6	12		24	30			48		60

(i) $24 \div 6 =$ ..... (ii) $480 \div 6 =$ .....

(b) Use this incomplete 46's row of the times table grid to complete

×	2	3	4	5	6	7	8	9	10
46	92		184	230			368		460

(i) $368 \div 46 =$ ..... (ii) $828 \div 46 =$ .....

8. Complete the empty (unshaded) boxes of

(i) the 7's row of the times table grid,

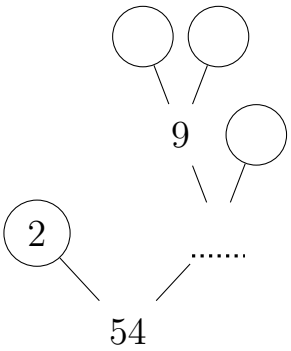
×	2	3	4	5	6	7	8	9	10
7									

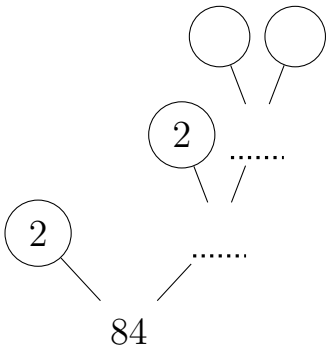
(ii) the 53's row of the times table grid.

×	2	3	4	5	6	7	8	9	10
53									

9. Complete these prime factor trees and divide facts.

(i) $54 \div 3 =$ ... (ii) $84 \div 7 =$ ...





10. Work out $602 \div 7$

    You **must** show your **workings out**.

    You may use this incomplete 7's row of the times table grid.

×	2	3	4	5	6	7	8	9	10
7	14		28	35			56		70

11. Work out $504 \div 6$

    You **must** show your **workings out**

12. Work out $553 \div 7$

    You **must** show your **workings out**

13. Work out $4428 \div 54$

    You **must** show your **workings out**