

1. You may use the multiplication table to help you answer this question.

×	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

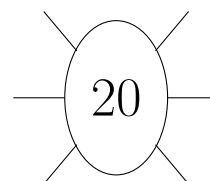
(i) complete all the factor pairs of 20

$1 \times 20 = 20$

$\dots \times \dots = 20$

$\dots \times \dots = 20$

(ii) complete the factor bug of 20



2. You may use the multiplication table to help you answer this question.

×	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

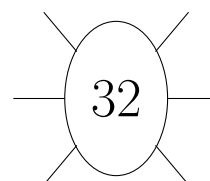
(i) complete all the factor pairs of 32

$\dots \times \dots = 32$

$2 \times 16 = 32$

$\dots \times \dots = 32$

(ii) complete the factor bug of 32



3. Write down a factor pair of 10

..... and

4. (i) Complete this doubling and halving method to find a factor pair of 26

$$\begin{aligned}
 26 &= 1 \times 26 \\
 &\times 2 \downarrow \quad \downarrow \div 2 \\
 26 &= 2 \times \dots \\
 &\times 2 \downarrow \quad \downarrow \div 2 \\
 \cancel{26} &= 4 \times \dots
 \end{aligned}$$

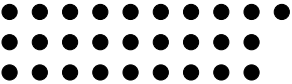
(ii) Explain why 4 is not a factor of 26

5. (i) Complete the factor finding method for 28

$$\begin{aligned}
 28 &= 1 \times 28 \\
 &= 2 \times \dots \\
 &= 3 \times \dots \\
 &= 4 \times \dots \\
 &= 5 \times \dots \\
 &= 6 \times \dots
 \end{aligned}$$

You may use these **top tips**

(1) Use half and double trick.

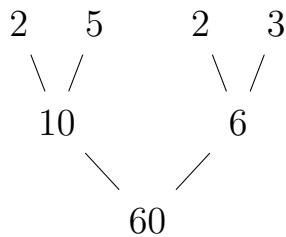
(2) Draw rectangles e.g. 

(3) Stop when height \geq width

(ii) Write down all the factor pairs of 28

6. Write down all the factor pairs of 60

You may use this prime factor tree.



7. Write down all the factors of 20