

Prime and composite

Answer each of the following questions

$12 = \textcircled{3} \times \textcircled{4}$	$5 = \textcircled{1} \times \textcircled{5}$
The two factors are less than 12	We can't find two factors of 5 that are less than 5
So 12 is composite	So 5 is not composite



1. Factorize number **30** in 4 different ways (on the notebook)

$$30 = 30 \times 1 \qquad 30 = 15 \times 2$$

$$30 = 5 \times 6 \qquad 30 = 3 \times 10$$

Can 30 be factorized into **two smaller numbers** than itself ? ☒ yes ☐ No

So, what do we call 30 ? ☐ Prime ☒ composite

2. Factorize 16 in two different ways (on the notebook)

$$16 = \underline{\quad} \times \underline{\quad} \qquad 16 = \underline{\quad} \times \underline{\quad}$$

Can 16 be factorized into **two smaller numbers** than itself ? ☒ yes ☐ No

So, what do we call 16 ? ☐ Prime ☒ composite

3. Factorize **7** (on the notebook)

$$7 = \underline{\quad} \times \underline{\quad}$$

Can 7 be factorized into **two smaller numbers** than itself ? ☐ yes ☒ No

So, what do we call 7 ? ☐ Prime ☒ composite

4. Factorize **9** (on the notebook)

$$9 = \underline{\quad} \times \underline{\quad}$$

Can 9 be factorized into **two smaller numbers** than itself ?

☐ yes

☐ No

So, what do we call 9 ?

☐ Prime

☐ composite

5. Factorize **14**

$$14 = \underline{\quad} \times \underline{\quad}$$

Can 14 be factorized into **two smaller numbers** than itself ?

☐ yes

☐ No

So, what do we call 14 ?

☐ Prime

☐ composite

6. Factorize **60**

$$60 = \underline{\quad} \times \underline{\quad}$$

Can 60 be factorized into smaller numbers than itself ?

☐ yes

☐ No

So, what do we call 60 ?

☐ Prime

☐ composite

7. Factorize **13**

$$13 = \underline{\quad} \times \underline{\quad}$$

Can 13 be factorized into **two smaller numbers** than itself ?

☐ yes

☐ No

So, what do we call 13 ?

☐ Prime

☐ composite