Name:

Exam Style Questions

Multiples
Factors
Prime Numbers

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 220
Video 216
Video 225

1.   Write down the first **five** multiples of 3.

....

(1)

2.   From the list of numbers

7   9   12   21   23   30   36   45

(a) write down the multiples of 7.

....

(2)

(b) write down the multiples of 5.

....

(2)

(c) write down the multiples of 12.

....

(2)

3.   (a)   Write down two multiples of 4.

.... and ....

(1)

(b)   Write down two multiples of 9.

.... and ....

(1)

(c)   Write down a number which is a multiple of both 4 and 9.

....

(1)

4.   Write down all the factors of 16.

....
                                                      (2)

5.   Write down all the factors of 26.

....
                                                      (2)

6.   From the list of numbers

                3   5   7   9   11   15   24

      (a)   Write down a factor of 12

....
                                                      (1)

      (b)   Write down a factor of 28

....
                                                      (1)

      (c)   Write down a factor of 81

....
                                                      (1)

7.   Write down all the prime numbers between 10 and 20.

....

(2)

8.
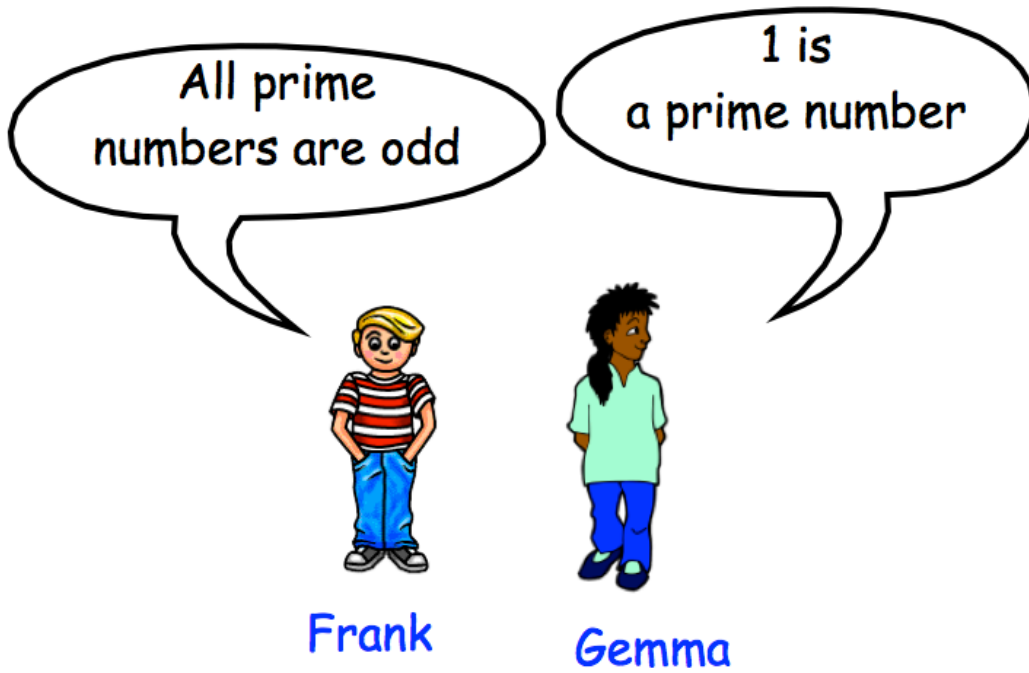
Give a reason why each child is wrong.

Frank: ....

        ....

Gemma: ....

        ....

(2)

9. Here is a list of numbers

6   10   11   16   24   30   40

(a) Write down a multiple of 20

....
(1)

(b) Write down a factor of 12

....
(1)

(c) Write down a prime number

....
(1)

---

10. Here is a list of 8 numbers.

15   16   17   18   20   22   24   29

(a) Write down a prime number

....
(1)

(b) Write down a factor of 30

....
(1)

(c) Write down a multiple of 3, which is even.

....
(1)

11.

2   11   7

3   13   9
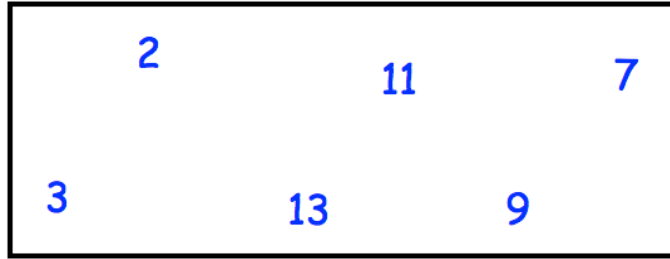
From the numbers in the rectangle,

(a)   Write down a factor of 35.

....
                                                                    (1)
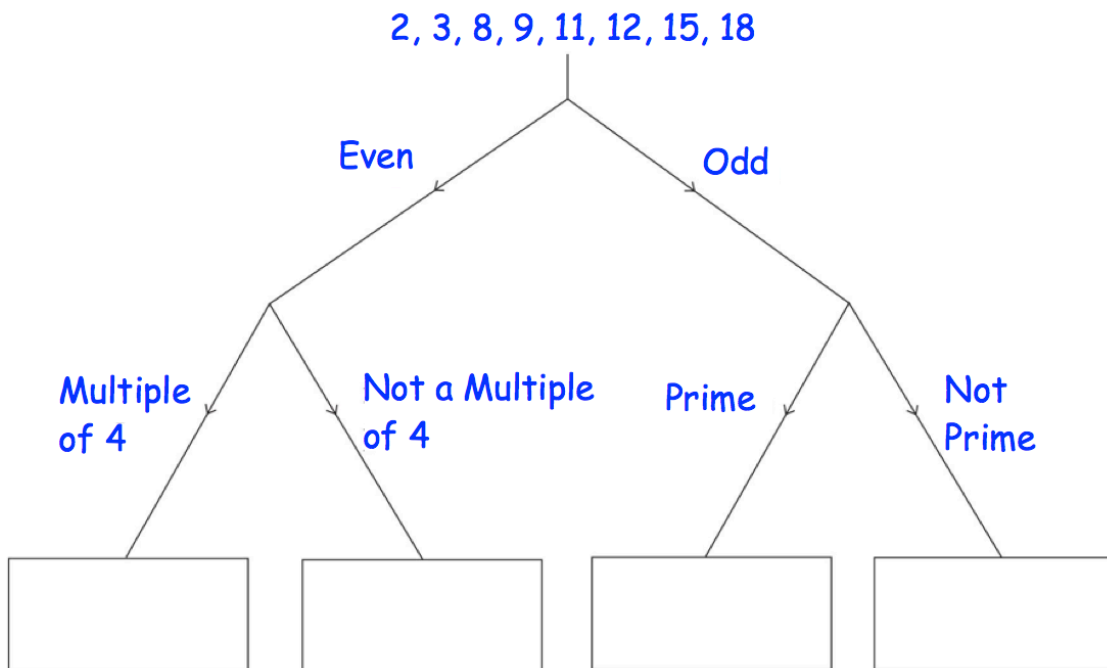
(b)   Write down the number which is **not prime**

....
                                                                    (1)

12.   Sort **all** the numbers into the correct boxes.

2, 3, 8, 9, 11, 12, 15, 18

Even   Odd

Multiple   Not a Multiple   Prime   Not
of 4   of 4   Prime

                                                                    (3)

13.   A bus to Belfast leaves Antrim Bus Station every 25 minutes.
        The first bus each day leaves at 7am.
        Darren wants to get a bus after 8am.

        What time is the first suitable bus?

                                                        ....
                                                                        (2)

___

14.   A blue light flashes every 8 seconds.
        A red light flashes every 12 seconds.

        Both lights have just flashed together.

        After how many seconds will both lights flash together?

                                                        ....
                                                                        (2)

___

15.   Kelly is organising a barbecue.
        She needs bread rolls and burgers.

        Bread rolls are sold in packs of 20.
        Burgers are sold in packs of 12.

        Kelly buys exactly the same number of bread rolls as burgers.

        What is the least number of each pack that Kelly buys?

                                    .... packs of bread rolls

                                    .... packs of burgers
                                                                        (3)

16.

All even numbers greater than two, can be written as the sum of two prime numbers

Peter

Give **three** examples that show that Peter is correct.

.... + ... = ...

.... + ... = ...

.... + ... = ...

(3)