

11+ Fast Track Foundations 3

List All of the Factors for each number.

1) 22 1, 22, 11, 2

2) 36 1, 36, 2, 18, 4, 9, 6

3) 26 1, 26, 2, 13

4) 46 1, 46, 2, 23,

5) 49 1, 49, 7

Find the Least Common Multiple for each number pair.

1) 5, 4 20

2) 3, 2 6

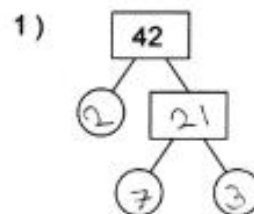
3) 12, 2 12

4) 24, 6 24

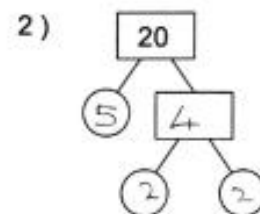
5) 30, 20 60



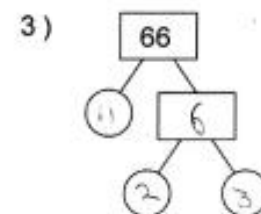
Find the Prime Factors of the Numbers



Prime Factors
 $2 \times 3 \times 7 = 42$



Prime Factors
 $2 \times 2 \times 5 = 20$



Prime Factors
 $2 \times 3 \times 11 = 66$



Fill up the table on the right



Divisible by?	The trick!
2	Last number is even
3	sum of digits is in 3x table
4	Look at last 2 digits and check if in 4x table
5	Ends in 0 or 5
6	① 2 rule must pass ② 3 rule both tests
8	last 3 digits $\div 8$?
9	sum of digits is in 9x tables
10	Ends 0

Here is a list of eight numbers.

5 6 12 20 25 26 28 33

(a) From the list, write down

(i) a square number,

25

(ii) a number that is a multiple of 7,

28

(iii) two numbers that are factors of 40,

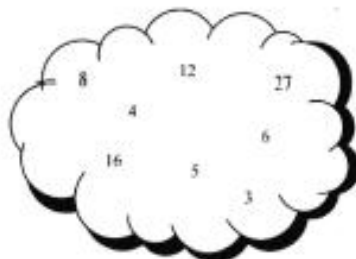
20 and 5

(iv) two numbers with a sum of 59.

26 and 33

(b) Tony says that "6 is a cube number because $2^3 = 6$ ".
Tony is wrong. Explain why.

$2^3 = 2 \times 2 \times 2 = 8$



Using only the numbers in the cloud, write down

(i) all the multiples of 6,

6, 12

(ii) all the square numbers,

16

(iii) all the factors of 12,

12, 6, 3, 4

(iv) all the cube numbers.

8, 27

Exercise 1

Underline the verbs in the following sentences.

- 1 The children go to school by bus.
- 2 Bats sleep during the day.
- 3 These toys belong to Kathy.
- 4 Every pupil has a good dictionary.
- 5 Polar bears live at the North Pole.
- 6 Most children learn very fast.
- 7 Mr. Thomas teaches us science.
- 8 The earth goes around the sun.
- 9 We never cross the street without looking.
- 10 Many stores close on Sunday.

Exercise 2

Fill in the blanks with the *simple present tense* of the verbs in parentheses.

- 1 Winter comes after autumn. (come)
- 2 A dog barks. (bark)
- 3 You look tired. (look)
- 4 Everyone makes mistakes. (make)
- 5 Ali works in a department store. (work)
- 6 Judy speaks English very well. (speak)
- 7 Tim's knee hurts. (hurt)
- 8 Monkeys like bananas. (like)
- 9 Kate always eats sandwiches for lunch. (eat)
- 10 He types very fast. (type)

Exercise 1

Fill in the blanks with *am*, *is* or *are*.

- 1 They are my good friends.
- 2 He is a soldier.
- 3 You are taller than Charlie.
- 4 She is ill.
- 5 We are very hungry.
- 6 It is a sunny day.
- 7 I am angry with Joe.
- 8 You are all welcome to my house.

Exercise 2

Fill in the blanks with *is* or *are*.

- 1 John's dog is very friendly.
- 2 Robert is ten years old.
- 3 These flowers are very pretty.
- 4 The two schools are close to each other.
- 5 Math is not a very difficult subject.
- 6 Is dinner ready?
- 7 This computer is very easy to use.
- 8 All the windows are open.
- 9 Sue and Jane are neighbors.
- 10 His hair is curly.

Exercise 3

Fill in the blanks with *There is* or *There are*.

- 1 There is a fence around the barn.
- 2 There are trees along the road.
- 3 There is a rainbow in the sky.
- 4 There are lots of parks in our town.
- 5 There is nothing in the cupboard.
- 6 There are not many bedrooms in the new house.
- 7 There are lots of mistakes on your test paper.
- 8 There is a wasps' nest in the tree.
- 9 There are ants in the cookies.
- 10 There are many different kinds of animals in the zoo.
- 11 There is plenty of food on the table.
- 12 There is a church on the hilltop.
- 13 There is no more water in the pool.
- 14 There are too many people on the beach.
- 15 There are only a few customers in the shop.

Capital Letters

Comprehension
Softwoods /Hardwoods

- 1) D
- 2) a
- 3) D
- 4) A
- 5)d
- 6) d
- 7)c

Granting Clifton Wish

- 1) d
- 2) c
- 3) d
- 4) c
- 5) b
- 6) c
- 7) a
- 8) b

CLOZE

- 1) beside
- 2) cruel
- 3) livestock
- 4) ambush
- 5) manage
- 6) caught
- 7) siege
- 8) family
- 9) starve
- 10) burrowing
- 11) Aided
- 12) prepared
- 13) neighbourhood
- 14) emerge

1. max smith will be going to see mr. chomp wrestle friday night.

Max Smith will be going to see Mr. Chomp wrestle Friday night.

2. Maggie said, "we need to go to the Greenfield Center saturday to watch wrestling."

Maggie said, "We need to go to the Greenfield Center Saturday to watch wrestling."

3. i hate that my favorite wrestler big tom doesn't wrestle anymore.

I hate that my favorite wrestler Big Tom doesn't wrestle anymore.

4. Niles and michael both got tickets for the wrestling match on february 3rd.

Niles and Michael both got tickets for the wrestling match on February 3rd.

5. dr. samuels said, "Patrick wrist was sprang so he can't wrestle on wednesday."

Dr. Samuels said, "Patrick wrist was sprang so he can't wrestle on Wednesday."

6. The lakeview wrestling team will be traveling to jacksonville, florida.

The Lakeview Wrestling Team will be traveling to Jacksonville, Florida.

7. We are going to tim's house to watch WWS wrestling.

We are going to Tim's house to watch WWS wrestling.

8. "where is the Smithville Gym located?", asked marshall.

"Where is the Smithville Gym located?", asked Marshall.

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|-----|----------------------|--------------------|-----|-------------------|--------------------|
| 1. | <u>supplie</u> | <u>supply</u> | 12. | <u>tributarie</u> | <u>tributary</u> |
| 2. | corner | _____ | 13. | mission | _____ |
| 3. | electric | _____ | 14. | <u>slaverie</u> | <u>slavery</u> |
| 4. | <u>insectz</u> | <u>insects</u> | 15. | trading | _____ |
| 5. | provide | _____ | 16. | <u>chartre</u> | <u>charter</u> |
| 6. | fungus | _____ | 17. | separate | _____ |
| 7. | <u>fungie</u> | <u>fungi</u> | 18. | approximate | _____ |
| 8. | hippopotamus | _____ | 19. | business | _____ |
| 9. | <u>hippopotameye</u> | <u>hippopotami</u> | 20. | <u>estimete</u> | <u>estimate</u> |
| 10. | octopus | _____ | 21. | associate | _____ |
| 11. | <u>octopie</u> | <u>octopi</u> | 22. | <u>certificut</u> | <u>certificate</u> |