
1. Answer the following questions.

- i. **Why is the font size an essential command of the K Turtle program?**

Ans. The font size is an essential command because it sets the size of the font.

- ii. **What command would you use to write the text horizontally?**

Ans. The Print command is used to write the text horizontally.

- iii. **Can you only move the turtle to the bottom of the canvas by drawing line?**

Ans. We can also move the turtle to the bottom of canvas with the help of Go command without drawing line.

- iv. **How will you solve the division sum: $84/4$ in K Turtle using arithmetic operators with the print command?**

Ans. We shall solve it by giving the following commands:

```
reset
```

```
go 20,20
```

```
font size 40
```

```
print 84/4
```

- v. **What do you mean by sprite in K Turtle?**

Ans. The turtle is also a sprite in K Turtle. A **sprite** is small creature that is supposed to have magic powers.

2. Fill in the blanks.

- i. The **print** command writes text or numbers on the canvas.
- ii. The **Font size** command changes the size of the text or number.
- iii. The **go** command is used to move the turtle without drawing a line.
- iv. The **sprite hide** command allows you to hide the turtle.
- v. The **sprite show** command is used to unhide the turtle.

3. True/False

- i. The go command is used to move the turtle to any position without drawing line. True
- ii. Sprite hide command hides the turtle. True
- iii. The font size is used to change the color of the text. False
- iv. The turtle is also called a sprite. True
- v. +, - are called arithmetic operators. True

4. Choose the correct option.

1. The operator used for multiplication is			
a) +	b) -	c) *	d) /
2. The operator used for subtraction is			
a) *	b) -	c) /	d) ^
3. It moves the turtle forward by 60 steps.			
a) fw 120-50	b) fw 70+5-15	c) fw 10* 7	d) fw 100/5
4. It turns the turtle right by 70 degrees.			
a) tr 50+10	b) tr 90-20	c) tr 15*5	d) tr 50/5
5. The command used to move the turtle 40 steps to the right and 30 steps down from the top left corner.			
a) go 30, 40	b) go 40, 30	c) fw 40 + 30	d) tr 40 + 30

5. Jumbled words.

- i. TIPNR PRINT
- ii. DHSPRETIIE SPRITEHIDE
- iii. DMMOCNA COMMAND
- iv. SSEEAGM MESSAGE
- v. ISELBIV VISIBLE

6. Word Search.

CANVASCOLOR	FORWARD	TURNRIGHT	RESET	TURNLEFT
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D	C	A	N	V	A	S	C	O	L	O	R	J	G	T
F	S	W	A	Z	N	R	E	E	H	A	G	S	B	U
O	S	A	C	C	H	S	R	N	A	F	H	P	N	R
R	D	V	U	K	D	A	O	F	G	C	I	R	F	N
W	D	P	E	N	W	I	D	T	H	B	K	I	D	R
A	V	B	N	A	T	U	T	A	T	H	J	T	S	I
R	T	N	K	C	B	S	S	D	U	U	L	E	A	G
D	R	R	E	S	E	T	B	R	F	R	P	S	C	H
B	H	R	U	D	C	S	D	A	D	E	O	H	T	T
F	I	M	I	F	V	L	E	J	C	D	H	O	H	K
D	E	F	O	G	B	J	R	H	G	K	G	W	U	H
R	D	S	P	L	N	M	P	T	S	A	W	A	F	F
W	P	E	N	C	O	L	O	R	W	E	F	A	R	R
A	S	E	T	A	Z	S	W	E	T	H	U	B	R	D
T	U	R	N	L	E	F	T	R	Y	G	M	N	V	D

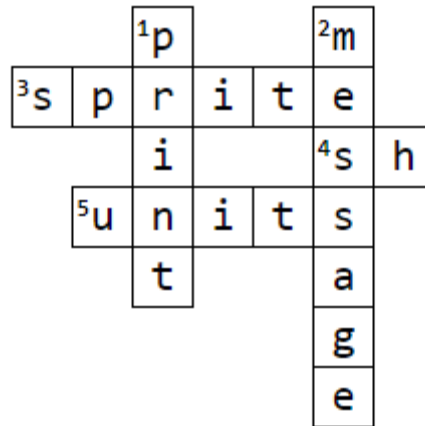
7. Match the commands on the left with their action on the right.

Column A	Column B
Print 34 +56	It hides the turtle
turn right 120	It moves the turtle forward by 100 units
direction 120	It prints 90
forward 100	It turns the turtle right by 120 degrees from the previous position
sprite hide	It turns the turtle right by 120 degrees from the starting position

8. Write the short form of the following command.

Commands	Short form
sprite show	ss
canvas color	cc
pen width	pw
direction	dir
sprite hide	sh
turn right	tr
turn left	tl
forward	fw
backward	bw
canvas size	cs

9. Crosswords.



Across	Down
3. a small creature that is supposed to have magic powers	1. command that is used to write any text or numbers on the canvas
4. short form of spritehide	2. command that is used to give some information by displaying text you have typed
5. The size of font is set	

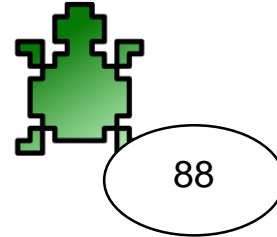
10. Drag and Drop.

Add	Subtract	Multiply	Divide	Power
^	-	*	/	+

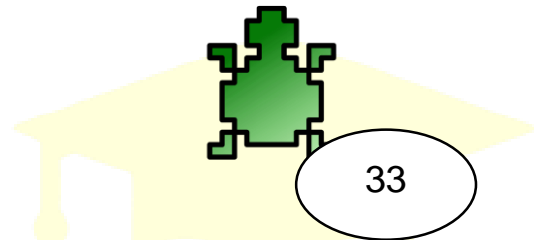
Meaning	Operator
Add	+
Subtract	-
Multiply	*
Divide	/
Power	^

11. Math in Kturtle

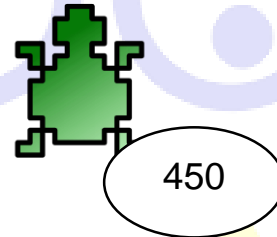
i. reset
go 20,20
fontsize 40
print 53 + 35



ii. reset
go 20,20
fontsize 40
print 50 + 17



iii. reset
go 20,20
fontsize 40
print 45 * 10



iv. reset
go 20,20
fontsize 40
print 48/4

