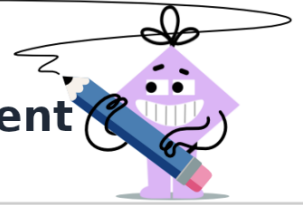




Name \_\_\_\_\_



## Calculate percent increase and percent decrease

**1**

30% more than 60

|         |         |         |
|---------|---------|---------|
| A<br>59 | B<br>82 | C<br>90 |
| D<br>62 | E<br>74 | F<br>78 |

**2**

30% less than 40

|         |         |         |
|---------|---------|---------|
| A<br>38 | B<br>15 | C<br>21 |
| D<br>35 | E<br>28 | F<br>22 |

**3**

Add 20% tip to \$20

|              |              |
|--------------|--------------|
| A<br>\$24.00 | B<br>\$34.80 |
| C<br>\$31.20 | D<br>\$16.80 |
| E<br>\$25.20 | F<br>\$20.40 |

**4**

\$20 grows by 5%

|              |              |
|--------------|--------------|
| A<br>\$21.00 | B<br>\$19.95 |
| C<br>\$23.10 | D<br>\$10.50 |
| E<br>\$22.05 | F<br>\$17.85 |

**5**

10% of 90 is 9 What is the % change if 90 grows to 108

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| Meal...\$90<br>Tip(10%)...\$9<br>Total...\$99 | Meal...\$90<br>Tip(?)...\$-<br>Total...\$108 |
|-----------------------------------------------|----------------------------------------------|

|       |       |       |
|-------|-------|-------|
| A 29% | B 20% | C 35% |
| D 0%  | E 50% | F 60% |

**6**

10% of 30 is 3 What is the % change if 30 shrinks to 27

|                         |     |
|-------------------------|-----|
| <del>\$30</del><br>\$27 | -?% |
|-------------------------|-----|

|        |        |        |
|--------|--------|--------|
| A -30% | B 2%   | C -4%  |
| D -20% | E -10% | F -40% |

**7**

60 grows to 66

|                                             |
|---------------------------------------------|
| Meal...\$60<br>Tip(?)...\$-<br>Total...\$66 |
|---------------------------------------------|

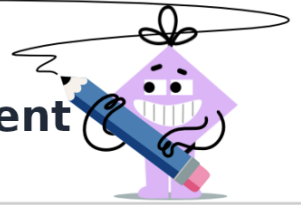
|       |       |       |
|-------|-------|-------|
| A 10% | B 19% | C 29% |
| D 24% | E 30% | F 22% |

**8**

90 shrinks to 81

|                         |     |
|-------------------------|-----|
| <del>\$90</del><br>\$81 | -?% |
|-------------------------|-----|

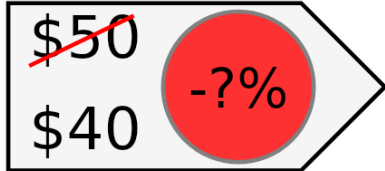
|        |        |       |
|--------|--------|-------|
| A 0%   | B -11% | C -9% |
| D -17% | E -10% | F 30% |



## Calculate percent increase and percent decrease

**9**

50 shrinks to 40



A -40%

B -12%

C -23%

D -3%

E -20%

F 10%

**10**

21% more than 11

A

8.65

B

19.3

C

15.97

D

9.98

E

6.66

F

13.31

**11**

58% less than 89

A

33.64

B

22.43

C

37.38

D

46.73

E

39.25

F

41.12

**12**

20 grows to 22.4

A

8%

B

20%

C

24%

D

12%

E

13%

F

5%

**13**

60 shrinks to 15

A

-45%

B

-60%

C

-50%

D

-81%

E

-95%

F

-75%

**14**

65 grows to 78

A

25%

B

23%

C

40%

D

10%

E

20%

F

14%