$$\frac{900 \text{ feet}}{1 \text{ minute}} = \frac{x \text{ feet}}{6 \text{ minutes}}$$

$$900 (6) = x$$

$$5400 = x \qquad (c) = 5400$$

1

3,

$$5-(3-2)+(\frac{3}{7})6$$

$$5-3+2+18$$

$$2+2+18$$

$$22$$
(B) 22

Superman
$$\begin{array}{ll}
A = \pi r^2 ft^2 \\
= \pi (5)^2 ft^2 \\
= 25\pi ft^2
\end{aligned}$$
(B) 25 \tau square feet

$$(3+8(6)) + (4(7)+5)$$
  
 $(3+48) + (28+5)$   
 $51 + 33$   
 $84$  (B)  $84$ 

$$5. \quad 52(100+3) = 52(3+100)$$
$$100+3 = 3+100$$

(c) The commutative Property of Addition

$$100 = 10 \times$$
  
 $X = 10 \text{ min} = 600 \text{ seconds}$   
(D) 600 seconds

$$\frac{84}{100} = \frac{4^2}{50} = \frac{21}{25}$$
(B)  $\frac{21}{25}$ 

10. 
$$\frac{17}{79} \Rightarrow 79 | 170 = \text{greatest}$$
 $\frac{120}{179}$ 
 $\frac{0.14}{179}$ 
 $\frac{0.14}{28}$ 
 $\frac{13}{67} \Rightarrow 67 | 130$ 
 $\frac{-67}{63}$ 
 $\frac{17}{63}$ 

$$\frac{13}{67} \implies 67 \frac{0.1}{130} = \frac{0.1}{63}$$
(P)  $\frac{17}{63}$ 

$$7 \times + 9,877 = 87,654$$
  
 $7 \times = 77,777$   
 $\times = 11,111$ 

13.

14.

(A) 11111

$$60ft \times 36inches = 60ft \times 3ft = 360ft^2$$
  
 $\frac{3600ft^2}{1 sec} = \frac{360ft^2}{x}$ 

$$360 = 3600 \times$$

$$\times = 0.1 seconds$$

(E) NOTA

$$\sqrt{36} = 6$$
  $\sqrt{49} = 7$   $6 < \sqrt{41} < 7$ 

(B)6

(C) 3239,21 feet

17. 
$$f^2 \cdot f^3 = f^{(2+3)} = f^5$$
 (A)  $7^5$ 

18. 
$$B = 4L$$
  $D = 7B$   $B = Braniac$   $L = Lex Luthor$   $D = B$   $D = Doomsday$   $D = 4L$   $D = 28L$   $D = 28L$   $D = 28L$ 

$$D = 28L$$
 (D) 28 times

$$(100)(84) = 8400 \pm 100 \text{ min.}$$
  
 $+ 753 \pm 2 \text{ min.}$   
 $9153 \text{ people.}$   
in 102 min.

20. 
$$((888)($4))$$
 1.10 =  $((1.10)($4))$  888   
  $(888)($4)(1.10)$   $(888)($4)(1.10)$    
  $(c)$  The prices are equal.

21. 
$$888 \left(\frac{1}{111}\right) = 8$$
 (A) 8

22. 
$$\frac{24}{24} = \frac{15}{24} + \frac{1}{8} + x$$
  
 $\frac{24}{24} = \frac{15}{24} + \frac{3}{24} + x$   
 $\frac{24}{24} = \frac{18}{24} + x$   
 $\frac{6}{24} = x$   
 $x = \frac{1}{4}$  (B)  $\frac{1}{4}$ 

23. 
$$\frac{52 \text{meteors}}{2 \text{ hours}} = \frac{x}{2 \text{ days}}$$
 2days = 48 hours 
$$\frac{52 \text{meteors}}{2 \text{ hours}} = \frac{x}{48 \text{ hours}}$$
 (C) 1248

25.

(A) 4345,391 Second!

(E) NOTA

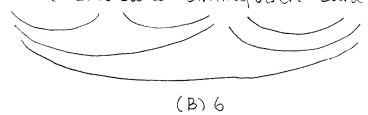
$$100, 81, 64, 10^{2}, 9^{2}, 8^{2}, 7^{2}$$
 $7^{2}=49$ 

(D)49

(E) NOTA

(B)3042

Superman Lois Lane Jimmy Olsen Lara Lang



30, 
$$\frac{112}{112} = \frac{3}{56} + \frac{7}{112} + \times$$
 $\frac{112}{112} = \frac{6}{112} + \frac{7}{112} + \times$ 
 $\frac{112}{112} = \frac{13}{113} + \times$ 
 $\frac{13}{112} = \times$ 

$$(c) \frac{99}{112}$$