

- ② 5
- ④ r + t
- ⑥ 5 divided by c;
division
- ⑧ 5 plus n;
addition
- ⑩ 14 ⑫ 21 ⑭ 6
- ⑯ 24 cm ⑰ 36 in
- ⑱ D ⑳ A
- ㉒ 2½
- ㉔ 3
- ㉖ 48
- ㉘ 1
- ㉚ 39
- ㉜ 7
- ㉞ 150 mi
- ㉟ 4 km
- ㊳ 1350 mi
- ㊵ 31 ft
- ㊶ 60 in
- ㊸ 30 mi²
- ㊺ 99,550 mi²

$$r \cdot t = d$$

8 kmph

30 min = .5h

$$8 \cdot (.5) = d$$

$$4 \text{ km} = d$$



1.2.
Exponents &
Powers

Aug. 31, 2006

Words to know...

Power / Exponent / Base /
factors

$$2^3 = 2 \cdot 2 \cdot 2$$

Translate 2^3 into English...

2 to the 3rd Power
or

2 cubed

What it means is 2 · 2 · 2

Write the Power into Words.

4^2 → 4 to the Second Power
or 4 Squared

5^3 → 5 to the Third Power
or 5 Cubed

x^6 → x to the 6 Power

Base to the Exponent Power

ex1

$$x^4 \text{ when } \underline{x=2}$$

Use, Show, &
Lable
All 3 Steps

$$x^4$$

→ exp.

$$\underline{(2)^4}$$

→ sub.

$$2 \cdot 2 \cdot 2 \cdot 2$$

$$\underline{\underline{16}}$$

} simp.

ex2 | Let a=1 + b=2

i) $(a^2) + (b^2) \rightarrow \text{exp.}$

$(1^2) + (2^2) \rightarrow \text{sub.}$

$(1) + (4)$
5 } $\rightarrow \text{simp.}$

ii) $(a+b)^2 \rightarrow \text{exp.}$

$(1+2)^2 \rightarrow \text{sub.}$

$(3)^2$
9 } $\rightarrow \text{simp.}$

ex 3) Let x=4

i) $2 \cdot x^3 \rightarrow \text{exp}$
 $2 \cdot (4)^3 \rightarrow \text{sub}$
 $2 \cdot 64 \rightarrow \text{simp.}$
 $\underline{\underline{128}}$

$\begin{array}{r} 2 \\ \times 16 \\ \hline 32 \\ \times 4 \\ \hline 128 \end{array}$

ii) $(2 \cdot x)^3 \rightarrow \text{exp.}$
 $(2 \cdot (4))^3 \rightarrow \text{sub.}$
 $(8)^3 \rightarrow \text{Simp.}$
 $\underline{\underline{512}}$

$\begin{array}{r} 3 \\ 64 \\ \times 8 \\ \hline 512 \end{array}$

O.T.L.

① Pg 12-? : 1-3(a)

5-8(a)

9-39(o)

41,43,44,45

② Turn in

Pg 6. > (the odds) in
5th slot!