



1)
$$12 - 6 \times 7 - (5-3)^2 + 24 \div 3$$

= $12 - 6 \times 7 - (2)^2 + 24 \div 3$
= $12 - 6 \times 7 - 4 + 24 \div 3$
= $12 - 42 - 4 + 24 \div 3$
= $12 - 42 - 4 + 8$
= $-30 - 4 + 8$
= $-34 + 8$
= -26

2) To attend the local fair the cost for admission is \$5.25. If you plan to go on rides it is an additional \$2.00 per ticket. How many rides could you go on if you have \$47.00?

$$\begin{array}{r}
\cos t = 2t + 5.25 \\
47 = 2t + 5.25 - 5.25 \\
41.75 = 2t \\
20.875 = E
\end{array}$$

Can only buy 20 +:ckets.



Review From Grade 9

1)
$$(2 + (5+1)^3 + (-2)^7) \div [2(-1+4^2)]$$

$$\frac{(6x14)}{7}$$
 + 100 x 4÷5²

- 3) A taxi driver charges a flat fee of \$9.00 and \$3.00 for ever kilometre travelled.
 - a) Write an equation that represents the scenario.
 - b) If you travel 18 km how much would you have to pay the taxi driver? (use your equation from part a)
 - b) If you have \$66.00 how far can you travel in the taxi? (use your equation from part a)



$$\mathbf{x}^2 = \chi \cdot \chi$$

$$x^3 = \chi \cdot \chi \cdot \chi$$

$$x^4 = x \cdot x \cdot x \cdot x$$

et's try some examples;

a)
$$3^2 = 3 \cdot 3$$

= 9

b)
$$4^3 = 4 \cdot 4 \cdot 4$$

= 64

c)
$$\sqrt{81} = \sqrt{9 \times 9}$$

= 9

$$d)\sqrt{49} = 7$$

Exponent button
$$\chi^{y} \text{ or } y^{\chi} \text{ or } \Lambda$$

$$\chi^{2} \chi^{3}$$

$$\sqrt{81} = 9$$







Exponents are shorthand for multiplication:

$$(5)(5) = 5^2, (5)(5)(5) = 5^3.$$



The "exponent" stands for however many times the term is being multiplied.

53

(3 times) $5 \times 5 \times 5 = 125$



The term that's being multiplied is called the "base".

$$888 \rightarrow 5^3$$