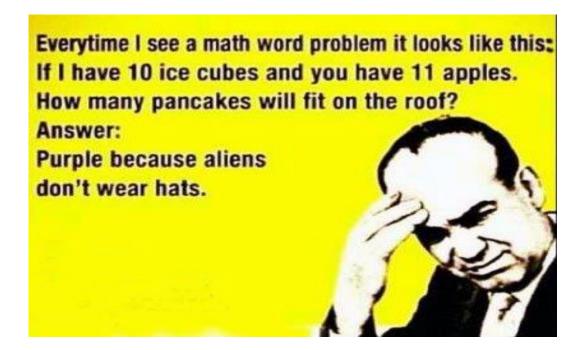
Word Problems



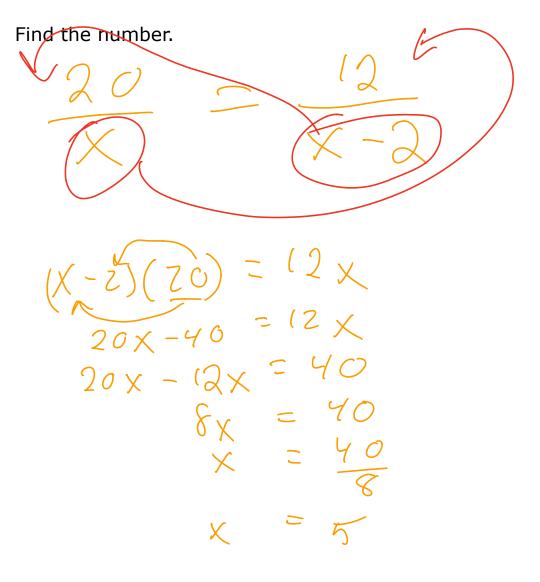
Alexis can ride her bicycle twice as fast as Bobby-Raye. Bobby-Raye takes 1 hour longer than Alexis to ride a distance of 24km.

How fast are Alexis and Bobby-Raye riding their bikes?

$$\frac{24}{2V} = \frac{24}{V} = \frac{24}{V}$$

$$= \frac{24}{V} = \frac{24}{V}$$

Dividing 20 by a number gives the same result as dividing 12 by 2 less than the number.



Dividing 108 by one more than a number gives the same result as dividing 72 by three less than the number.

What is the number? (X-3)(08) = 72(X+1) (08X-324) = 72X+72 (08X-72X) = 72+324 36X = 396 X = 396X = 396 Gaven drove 404 km from Edmonton to Banff in the same length of time as Thomas took to drive 364 km from Edmonton to Jasper. Gaven drove 10km/hr faster than Thomas.

At what speed did Thomas drive?

| | | 0 | | | |
|----------------|------------------------|-----------------------------|-----------------------------------|--|--|
| | | d | | | |
| Gaven | V+10 | 404 | 404 V+10 | | |
| thomas | V | 364 | 364 | | |
| 404 = 364 V | | | | | |
| V | (404) (404) 404v | = 364 = 364 _V | (V HO) + 3 G40 | | |
| ر | 104v - 3 40v U | | 3640 3640 | | |
| | V | = 0 | 71 Kn/hr | | |

Two friends share a paper route. Cassidy can deliver the papers in 40mins. Willow can deliver the same route in 50min.

How long, to the nearest minute, does the paper route take if

| they work together? | | 1 | //t \ |
|---------------------|--------|---------|-------|
| Cassidy | 40 min | 40 | 40 |
| L;llow | 50~ | J 50 | 50 |
| together | £ | | |

$$\frac{\xi}{40} + \frac{\xi}{50} = \frac{200}{200}$$

$$\frac{5\xi + 4\xi}{200} = \frac{200}{200}$$

$$5\xi + 4\xi = 200$$

$$4\xi = 200$$

$$\xi = 200$$

$$\xi = 200$$

$$\xi = 200$$

169 28.3

