

Name: _____

Date: _____

Period: _____

Fun Conversions

A legs in 25 spiders

B legs in four mosquitoes

C wheels in 10 tricycles

D noses in 38 faces

E toes in 200 children

F wings in sixty birds

G fingers in five hundred hands

H months in 12 years

I legs in sixty cows

J sodas in 50 six-packs

K days in a non leap year

L crayons in eighty six-crayon boxes

M days in one hundred weeks

N years in eight and an half decades

O wheels in 500 cars

P fingers in eight hands

Q lights in 200 traffic lights

R eyes in 1010 faces

S wheels in 1101 tricycles

T dollars in seven 10-dollar bills and three 5-dollar bills

U legs in 1750 birds

V arms and legs in 2250 men

Name: _____

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Conversions

A crossword puzzle grid with letters A through U placed in the starting squares of the words. The grid is composed of circles connected by lines.

Across:

- A: pennies in 45 dimes
- B: feet in five yards
- C: nickels in 50 pennies
- D: ounces in one quart
- E: dimes in 650 pennies
- F: pennies in seven dimes and one quarter
- G: feet in 1200 inches
- H: ounces in one gallon
- I: days in twenty weeks
- J: minutes in two hours and 33 minutes
- K: one fourth of a ton
- L: centimeters in 8 meters

Down:

- M: inches in 50 feet
- N: years in five centuries
- P: millimeters in 50.5 centimeters
- Q: meters in one kilometer
- R: ounces in ten gallons
- S: seconds in one hour
- T: meters in 8.8 kilometers
- U: centimeters in 25 meters

Conversions

The crossword puzzle grid contains the following numbers and letters:

- Across:**
 - 1: 1, 2, 8, 0, 0, 0
 - 2: 3, 6, 0, 0
 - 3: 1, 4, 0
 - 4: 6, 5, 3, 2, 5, 0, 0, 0, 0
 - 5: 1, 0, 0, 0, 0, 5, 0, 0
 - 6: 1, 1, 5, 0, 0, 0, 0
 - 7: 1, 4, 0, 0, 0, 0, 0, 0
 - 8: 1, 2, 5, 0, 0, 0, 0, 0
 - 9: 1, 1, 5, 0, 0, 0, 0, 0
 - 10: 1, 1, 5, 0, 0, 0, 0, 0
 - 11: 1, 1, 5, 0, 0, 0, 0, 0
 - 12: 1, 1, 5, 0, 0, 0, 0, 0
 - 13: 1, 1, 5, 0, 0, 0, 0, 0
 - 14: 1, 1, 5, 0, 0, 0, 0, 0
 - 15: 1, 1, 5, 0, 0, 0, 0, 0
 - 16: 1, 1, 5, 0, 0, 0, 0, 0
 - 17: 1, 1, 5, 0, 0, 0, 0, 0
 - 18: 1, 1, 5, 0, 0, 0, 0, 0
 - 19: 1, 1, 5, 0, 0, 0, 0, 0
 - 20: 1, 1, 5, 0, 0, 0, 0, 0
 - 21: 1, 1, 5, 0, 0, 0, 0, 0
 - 22: 1, 1, 5, 0, 0, 0, 0, 0
 - 23: 1, 1, 5, 0, 0, 0, 0, 0
 - 24: 1, 1, 5, 0, 0, 0, 0, 0
 - 25: 1, 1, 5, 0, 0, 0, 0, 0
 - 26: 1, 1, 5, 0, 0, 0, 0, 0
 - 27: 1, 1, 5, 0, 0, 0, 0, 0
 - 28: 1, 1, 5, 0, 0, 0, 0, 0
 - 29: 1, 1, 5, 0, 0, 0, 0, 0
 - 30: 1, 1, 5, 0, 0, 0, 0, 0
 - 31: 1, 1, 5, 0, 0, 0, 0, 0
 - 32: 1, 1, 5, 0, 0, 0, 0, 0
 - 33: 1, 1, 5, 0, 0, 0, 0, 0
 - 34: 1, 1, 5, 0, 0, 0, 0, 0
 - 35: 1, 1, 5, 0, 0, 0, 0, 0
 - 36: 1, 1, 5, 0, 0, 0, 0, 0
 - 37: 1, 1, 5, 0, 0, 0, 0, 0
 - 38: 1, 1, 5, 0, 0, 0, 0, 0
 - 39: 1, 1, 5, 0, 0, 0, 0, 0
 - 40: 1, 1, 5, 0, 0, 0, 0, 0
 - 41: 1, 1, 5, 0, 0, 0, 0, 0
 - 42: 1, 1, 5, 0, 0, 0, 0, 0
 - 43: 1, 1, 5, 0, 0, 0, 0, 0
 - 44: 1, 1, 5, 0, 0, 0, 0, 0
 - 45: 1, 1, 5, 0, 0, 0, 0, 0
 - 46: 1, 1, 5, 0, 0, 0, 0, 0
 - 47: 1, 1, 5, 0, 0, 0, 0, 0
 - 48: 1, 1, 5, 0, 0, 0, 0, 0
 - 49: 1, 1, 5, 0, 0, 0, 0, 0
 - 50: 1, 1, 5, 0, 0, 0, 0, 0
 - 51: 1, 1, 5, 0, 0, 0, 0, 0
 - 52: 1, 1, 5, 0, 0, 0, 0, 0
 - 53: 1, 1, 5, 0, 0, 0, 0, 0
 - 54: 1, 1, 5, 0, 0, 0, 0, 0
 - 55: 1, 1, 5, 0, 0, 0, 0, 0
 - 56: 1, 1, 5, 0, 0, 0, 0, 0
 - 57: 1, 1, 5, 0, 0, 0, 0, 0
 - 58: 1, 1, 5, 0, 0, 0, 0, 0
 - 59: 1, 1, 5, 0, 0, 0, 0, 0
 - 60: 1, 1, 5, 0, 0, 0, 0, 0
 - 61: 1, 1, 5, 0, 0, 0, 0, 0
 - 62: 1, 1, 5, 0, 0, 0, 0, 0
 - 63: 1, 1, 5, 0, 0, 0, 0, 0
 - 64: 1, 1, 5, 0, 0, 0, 0, 0
 - 65: 1, 1, 5, 0, 0, 0, 0, 0
 - 66: 1, 1, 5, 0, 0, 0, 0, 0
 - 67: 1, 1, 5, 0, 0, 0, 0, 0
 - 68: 1, 1, 5, 0, 0, 0, 0, 0
 - 69: 1, 1, 5, 0, 0, 0, 0, 0
 - 70: 1, 1, 5, 0, 0, 0, 0, 0
 - 71: 1, 1, 5, 0, 0, 0, 0, 0
 - 72: 1, 1, 5, 0, 0, 0, 0, 0
 - 73: 1, 1, 5, 0, 0, 0, 0, 0
 - 74: 1, 1, 5, 0, 0, 0, 0, 0
 - 75: 1, 1, 5, 0, 0, 0, 0, 0
 - 76: 1, 1, 5, 0, 0, 0, 0, 0
 - 77: 1, 1, 5, 0, 0, 0, 0, 0
 - 78: 1, 1, 5, 0, 0, 0, 0, 0
 - 79: 1, 1, 5, 0, 0, 0, 0, 0
 - 80: 1, 1, 5, 0, 0, 0, 0, 0
 - 81: 1, 1, 5, 0, 0, 0, 0, 0
 - 82: 1, 1, 5, 0, 0, 0, 0, 0
 - 83: 1, 1, 5, 0, 0, 0, 0, 0
 - 84: 1, 1, 5, 0, 0, 0, 0, 0
 - 85: 1, 1, 5, 0, 0, 0, 0, 0
 - 86: 1, 1, 5, 0, 0, 0, 0, 0
 - 87: 1, 1, 5, 0, 0, 0, 0, 0
 - 88: 1, 1, 5, 0, 0, 0, 0, 0
 - 89: 1, 1, 5, 0, 0, 0, 0, 0
 - 90: 1, 1, 5, 0, 0, 0, 0, 0
 - 91: 1, 1, 5, 0, 0, 0, 0, 0
 - 92: 1, 1, 5, 0, 0, 0, 0, 0
 - 93: 1, 1, 5, 0, 0, 0, 0, 0
 - 94: 1, 1, 5, 0, 0, 0, 0, 0
 - 95: 1, 1, 5, 0, 0, 0, 0, 0
 - 96: 1, 1, 5, 0, 0, 0, 0, 0
 - 97: 1, 1, 5, 0, 0, 0, 0, 0
 - 98: 1, 1, 5, 0, 0, 0, 0, 0
 - 99: 1, 1, 5, 0, 0, 0, 0, 0
 - 100: 1, 1, 5, 0, 0, 0, 0, 0
- Down:**
 - 1: 1, 2, 8, 0, 0, 0
 - 2: 3, 6, 0, 0
 - 3: 1, 4, 0
 - 4: 6, 5, 3, 2, 5, 0, 0, 0, 0
 - 5: 1, 0, 0, 0, 0, 5, 0, 0
 - 6: 1, 1, 5, 0, 0, 0, 0, 0
 - 7: 1, 1, 5, 0, 0, 0, 0, 0
 - 8: 1, 1, 5, 0, 0, 0, 0, 0
 - 9: 1, 1, 5, 0, 0, 0, 0, 0
 - 10: 1, 1, 5, 0, 0, 0, 0, 0
 - 11: 1, 1, 5, 0, 0, 0, 0, 0
 - 12: 1, 1, 5, 0, 0, 0, 0, 0
 - 13: 1, 1, 5, 0, 0, 0, 0, 0
 - 14: 1, 1, 5, 0, 0, 0, 0, 0
 - 15: 1, 1, 5, 0, 0, 0, 0, 0
 - 16: 1, 1, 5, 0, 0, 0, 0, 0
 - 17: 1, 1, 5, 0, 0, 0, 0, 0
 - 18: 1, 1, 5, 0, 0, 0, 0, 0
 - 19: 1, 1, 5, 0, 0, 0, 0, 0
 - 20: 1, 1, 5, 0, 0, 0, 0, 0
 - 21: 1, 1, 5, 0, 0, 0, 0, 0
 - 22: 1, 1, 5, 0, 0, 0, 0, 0
 - 23: 1, 1, 5, 0, 0, 0, 0, 0
 - 24: 1, 1, 5, 0, 0, 0, 0, 0
 - 25: 1, 1, 5, 0, 0, 0, 0, 0
 - 26: 1, 1, 5, 0, 0, 0, 0, 0
 - 27: 1, 1, 5, 0, 0, 0, 0, 0
 - 28: 1, 1, 5, 0, 0, 0, 0, 0
 - 29: 1, 1, 5, 0, 0, 0, 0, 0
 - 30: 1, 1, 5, 0, 0, 0, 0, 0
 - 31: 1, 1, 5, 0, 0, 0, 0, 0
 - 32: 1, 1, 5, 0, 0, 0, 0, 0
 - 33: 1, 1, 5, 0, 0, 0, 0, 0
 - 34: 1, 1, 5, 0, 0, 0, 0, 0
 - 35: 1, 1, 5, 0, 0, 0, 0, 0
 - 36: 1, 1, 5, 0, 0, 0, 0, 0
 - 37: 1, 1, 5, 0, 0, 0, 0, 0
 - 38: 1, 1, 5, 0, 0, 0, 0, 0
 - 39: 1, 1, 5, 0, 0, 0, 0, 0
 - 40: 1, 1, 5, 0, 0, 0, 0, 0
 - 41: 1, 1, 5, 0, 0, 0, 0, 0
 - 42: 1, 1, 5, 0, 0, 0, 0, 0
 - 43: 1, 1, 5, 0, 0, 0, 0, 0
 - 44: 1, 1, 5, 0, 0, 0, 0, 0
 - 45: 1, 1, 5, 0, 0, 0, 0, 0
 - 46: 1, 1, 5, 0, 0, 0, 0, 0
 - 47: 1, 1, 5, 0, 0, 0, 0, 0
 - 48: 1, 1, 5, 0, 0, 0, 0, 0
 - 49: 1, 1, 5, 0, 0, 0, 0, 0
 - 50: 1, 1, 5, 0, 0, 0, 0, 0
 - 51: 1, 1, 5, 0, 0, 0, 0, 0
 - 52: 1, 1, 5, 0, 0, 0, 0, 0
 - 53: 1, 1, 5, 0, 0, 0, 0, 0
 - 54: 1, 1, 5, 0, 0, 0, 0, 0
 - 55: 1, 1, 5, 0, 0, 0, 0, 0
 - 56: 1, 1, 5, 0, 0, 0, 0, 0
 - 57: 1, 1, 5, 0, 0, 0, 0, 0
 - 58: 1, 1, 5, 0, 0, 0, 0, 0
 - 59: 1, 1, 5, 0, 0, 0, 0, 0
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 - 75: 1, 1, 5, 0, 0, 0, 0, 0
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Conversion problems to solve:

- A: pennies in 45 dimes
- B: feet in five yards
- C: nickels in 50 pennies
- D: ounces in one quart
- E: dimes in 650 pennies
- F: pennies in seven dimes and one quarter
- G: feet in 1200 inches
- H: ounces in one gallon
- I: days in twenty weeks
- J: minutes in two hours and 33 minutes
- K: one fourth of a ton
- L: centimeters in 8 meters
- M: inches in 50 feet
- N: years in five centuries
- P: millimeters in 50.5 centimeters
- Q: meters in one kilometer
- R: ounces in ten gallons
- S: seconds in one hour
- T: meters in 8.8 kilometers
- U: centimeters in 25 meters

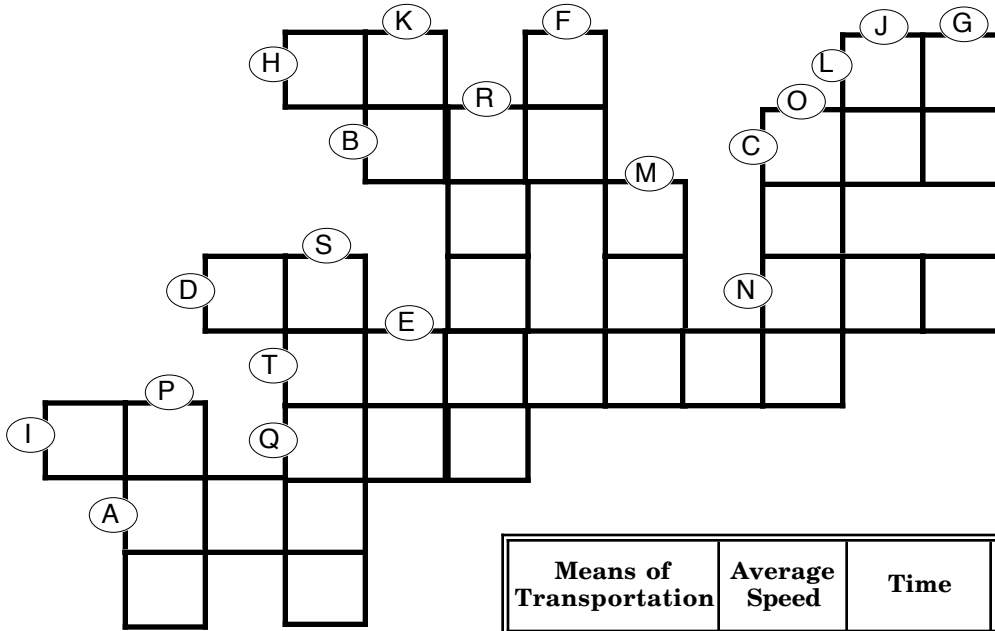
For additional pre-algebra activities check out my book at www.supermathunits.com/book

Name: _____

Date: _____

Period: _____

Speed, Time and Distance



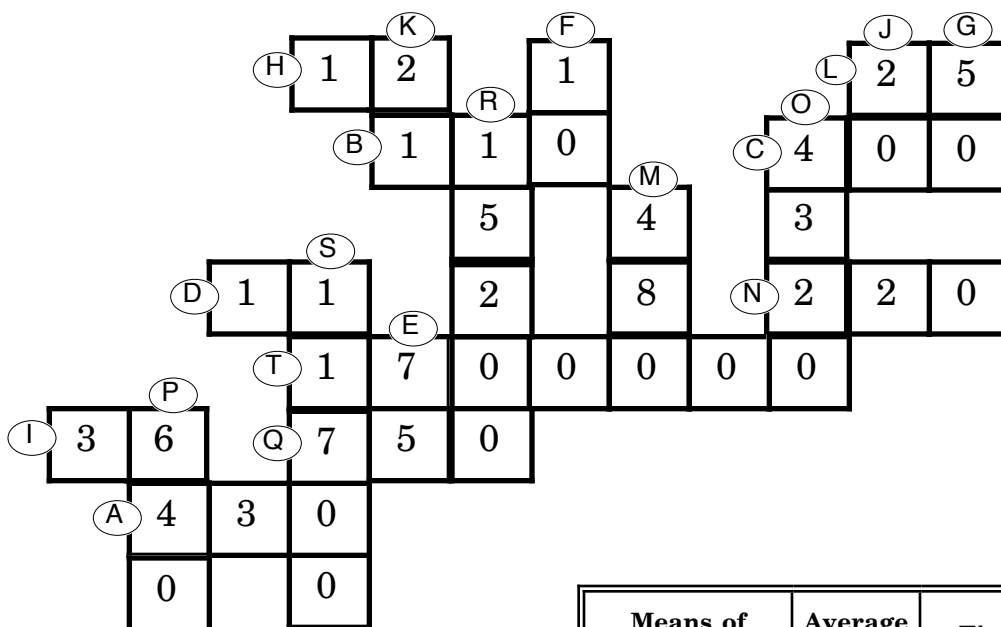
| Animals | Average Speed | Time | Distance |
|----------|---------------|--------|----------|
| Falcon | 215 m/h | 2 h | (A) |
| Cheetah | (B) | 3 h | 330 m |
| Lion | 50 m/h | 8 h | (C) |
| Pig | (D) | 5 h | 55 m |
| Dog | (E) | 1 h | 75 km |
| Zebra | 40 m/h | 15 min | (F) |
| Gazelle | (G) | 4 h | 200 m |
| Squirrel | (H) | 3 h | 36 m |
| Cat | 48 km/h | 45 min | (I) |
| Elephant | 40 km/h | 30 min | (J) |

| Means of Transportation | Average Speed | Time | Distance |
|-------------------------|---------------|-------------------|----------|
| Walking | 2 m/h | $10\frac{1}{2}$ h | (K) |
| Running | 5 m/h | 5 h | (L) |
| Bicycle | 20 m/h | 1 day | (M) |
| Motorcycle | 55 m/h | 4 h | (N) |
| Car | 90 km/h | 2 days | (O) |
| Truck | 80 km/h | 8 h | (P) |
| Train | 150 m/h | 5 h | (Q) |
| Ship | 20 m/h | 30 days | (R) |
| Plane | 780 km/h | 15 h | (S) |
| Rocket | 17000 m/h | 100 h | (T) |

| | | |
|------------|-------------------------------|-----------------|
| Key | m/h ---> miles per hour | m ---> miles |
| | km/h ---> kilometers per hour | h ---> hours |
| | | min --> minutes |

Speed, Time and Distance

Answer Key



| Animals | Average Speed | Time | Distance |
|----------|---------------|--------|----------|
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| Cheetah | (B) | 3 h | 330 m |
| Lion | 50 m/h | 8 h | (C) |
| Pig | (D) | 5 h | 55 m |
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| Train | 150 m/h | 5 h | (Q) |
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| Plane | 780 km/h | 15 h | (S) |
| Rocket | 17000 m/h | 100 h | (T) |

| | | |
|------------|-------------------------------|-----------------|
| Key | m/h ---> miles per hour | m ---> miles |
| | km/h ---> kilometers per hour | h ---> hours |
| | | min --> minutes |

For additional pre-algebra activities check out my book at
www.supermathunits.com/book