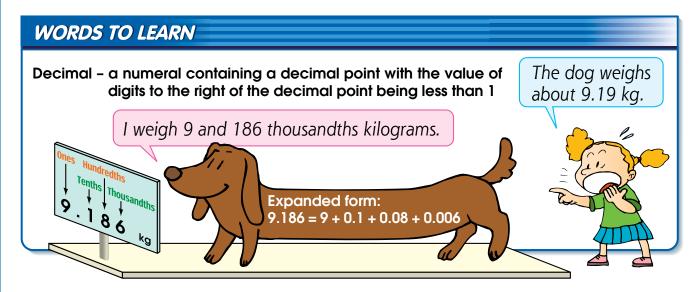
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Operations with Decimals



Write the decimals in expanded form and in words.

45.619 In expanded form:

60.202 In expanded form: In words: _____

Find the answers.



- If Susan weighs 28.64 kg, her cat weighs _____ kg.
 - If Susan's cat gains 0.524 kg, it will weigh ____ kg.

Find the products or quotients mentally.



- Multiply move the to the right Divide - move the •
- 89.4 ÷ 100 = _____
- (15) $0.767 \times 100 =$

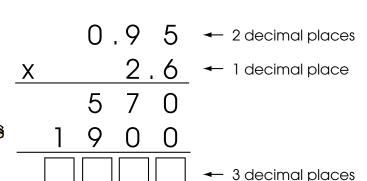
- to the left
- 5.051 x 10 = _____ ® (16)
- $305.4 \div 100 =$

- $2.93 \times 100 = 293$ Move it 2 places to the
- 6.25 ÷ 100 = ______ ®
- $1 \div 1000$

Help Mrs. Martin solve the problems.

How much do 2.6 kg of apples cost?





2.6 kg of apples cost \$ _____.

- Decimals x Decimals The no. of decimal places in the product is equal to the total no. of decimal places in the two numerals. e.g. <u>x 0.</u>8 2.88
- (21) 4.2 0.6 Χ
- 3.25 x 0.8
- ³ 4.668

6.27 x 1.8 = _____ (24)

25) 3.5 x 2.66 = _____

 $4.15 \times 6.3 =$ 26)

② 10.2 x 3.17 = _____

 $8.06 \times 1.4 =$ (28)

- $2.19 \times 8.5 =$
- 3.8 kg of apples cost \$ _____ (correct to 1 decimal place). 30
- 4.7 kg of mangoes cost \$ _____ (correct to 2 decimal places). (31)
- 1.5 kg of mangoes cost \$ _____ (correct to 2 decimal places). (32)

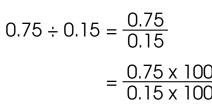
10

Follow Elaine's method to do the division.

Elaine wants to cut a 0.75-m long ribbon into strips of (33) 0.15 m each. How many strips can she get?

 $=\frac{0.75 \times 100}{0.15 \times 100}$

Multiply the dividend and the divisor by 10, 100, or 1000 to make the divisor a whole number first.



15/75



$$0.48 \div \frac{0.2}{0.2} - \frac{1 \text{ decimal place}}{1 \text{ place}}$$

$$= \frac{0.48 \times 10}{0.2 \times 10} = \frac{2.4}{2 / 4.8}$$

$$= \frac{4.8}{2} = \frac{4}{8}$$

$$= 2.4 = \frac{8}{8}$$

- $32.4 \div 0.4$
- $8.85 \div 0.05 =$
- $0.221 \div 1.3 =$
- $16.74 \div 2.7 =$

- $1.6 \div 0.08$
- $3.45 \div 0.23 =$ (37)
- 29.45 ÷ 1.9 = _____
- $12.18 \div 0.87 =$ **41**)



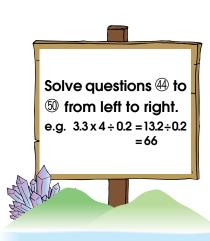
Each roll of ribbon costs \$0.95. How many rolls of ribbon can Tony buy with \$17.10?

____ rolls of ribbon

1.5 m of ribbon is needed to tie a gift box. How many gift boxes can be tied with 13.5 m of ribbon?

_____ gift boxes

Find the answers.

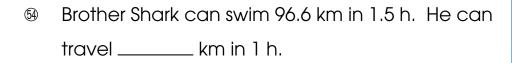


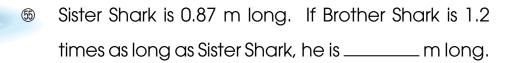
- 3.2 + 1.4 0.58(44)
- $6.4 \div 0.4 \times 1.3$
- 3.84 1.765 + 2.339 =(46)
- 6.447 + 1.385 2.608 =**(47)**
- 48) $3.5 \times 1.9 \div 0.5$
- $8.91 \div 2.7 \times 1.44$ (49)
- $17.8 \times 4.2 \div 2.8$ (50)



Solve the problems.

- A boat covered a distance of 32.8 km in 1 h. It will cover km in 2.4 h.
- Peter travelled 3.258 km on Monday and 4.165 km on Tuesday. He (52) travelled _____ km in the past two days.
- Sister Shark weighs 68.259 kg. If Sister Shark is 6.84 kg lighter than Brother (53) Shark, Brother Shark weighs _____ kg.









Work out the answers mentally.

- 1 $23.5 \div 23.5 + 1 =$
- $2 12.14 \div 2 \times 2 =$
- $382.4 \times 0 + 5.3 =$ (3)
- $4 \quad 1 \times 8.86 \div 1 =$
- 6.65 6.65 + 3.4 =
- $6 \quad 8.04 \times 1 8.04 = \underline{}$