



Name _____

Date _____

1. Divide. Show the division in the right-hand column in two steps. The first two have been done for you.

a. $1.2 \div 6 = 0.2$

b. $1.2 \div 60 = (1.2 \div 6) \div 10 = 0.2 \div 10 = 0.02$

c. $2.4 \div 4 =$ _____

d. $2.4 \div 40 =$ _____

e. $14.7 \div 7 =$ _____

f. $14.7 \div 70 =$ _____

g. $0.34 \div 2 =$ _____

h. $3.4 \div 20 =$ _____

i. $0.45 \div 9 =$ _____

j. $0.45 \div 90 =$ _____

k. $3.45 \div 3 =$ _____

l. $34.5 \div 300 =$ _____



2. Use place value reasoning and the first quotient to compute the second quotient. Explain your thinking.

a. $46.5 \div 5 = 9.3$

$46.5 \div 50 = \underline{\hspace{2cm}}$

b. $0.51 \div 3 = 0.17$

$0.51 \div 30 = \underline{\hspace{2cm}}$

c. $29.4 \div 70 = 0.42$

$29.4 \div 7 = \underline{\hspace{2cm}}$

d. $13.6 \div 40 = 0.34$

$13.6 \div 4 = \underline{\hspace{2cm}}$

3. Twenty polar bears live at the zoo. In four weeks, they eat 9,732.8 pounds of food altogether. Assuming each bear is fed the same amount of food, how much food is used to feed one bear for a week? Round your answer to the nearest pound.
4. The total weight of 30 bags of flour and 4 bags of sugar is 42.6 kg. If each bag of sugar weighs 0.75 kg, what is the weight of each bag of flour?



Name _____

Date _____

1. Divide.

a. $27.3 \div 3$

b. $2.73 \div 30$

c. $273 \div 300$

2. If $7.29 \div 9 = 0.81$, then the quotient of $7.29 \div 90$ is _____. Use place value reasoning to explain the placement of the decimal point.

Name _____

Date _____

1. Estimate the quotients.

a. $3.24 \div 82 \approx$

b. $361.2 \div 61 \approx$

c. $7.15 \div 31 \approx$

d. $85.2 \div 31 \approx$

e. $27.97 \div 28 \approx$

2. Estimate the quotient in (a). Use your estimated quotient to estimate (b) and (c).

a. $7.16 \div 36 \approx$

b. $716 \div 36 \approx$

c. $71.6 \div 36 \approx$



3. Edward bikes the same route to and from school each day. After 28 school days, he bikes a total distance of 389.2 miles.
- Estimate how many miles he bikes in one day.
 - If Edward continues his routine of biking to school, about how many days altogether will it take him to reach a total distance of 500 miles?
4. Xavier goes to the store with \$40. He spends \$38.60 on 13 bags of popcorn.
- About how much does one bag of popcorn cost?
 - Does he have enough money for another bag? Use your estimate to explain your answer.



Name _____

Date _____

Estimate the quotients.

a. $1.64 \div 22 \approx$

b. $123.8 \div 62 \approx$

c. $6.15 \div 31 \approx$



e. $249.6 \div 52$

f. $24.96 \div 52$

g. $300.9 \div 59$

h. $30.09 \div 59$

3. The weight of 72 identical marbles is 183.6 grams. What is the weight of each marble? Explain how you know the decimal point of your quotient is placed reasonably.



4. Cameron wants to measure the length of his classroom using his foot as a length unit. His teacher tells him the length of the classroom is 23 meters. Cameron steps across the classroom heel to toe and finds that it takes him 92 steps. How long is Cameron's foot in meters?
5. A blue rope is three times as long as a red rope. A green rope is 5 times as long as the blue rope. If the total length of the three ropes is 508.25 meters, what is the length of the blue rope?



Name _____

Date _____

1. Estimate. Then, divide using the standard algorithm and check.

a. $45.15 \div 21$

b. $14.95 \div 65$

2. We learned today that division expressions that have the same quotient and remainders are not necessarily equal to each other. Explain how this is possible.

Name _____

Date _____

1. Divide. Check your work with multiplication.

a. $5.6 \div 16$

b. $21 \div 14$

c. $24 \div 48$

d. $36 \div 24$

e. $81 \div 54$

f. $15.6 \div 15$

g. $5.4 \div 15$

h. $16.12 \div 52$

i. $2.8 \div 16$

2. 30.48 kg of beef was placed into 24 packages of equal weight. What is the weight of one package of beef?
3. What is the length of a rectangle whose width is 17 inches and whose area is 582.25 in^2 ?



4. A soccer coach spent \$162 dollars on 24 pairs of socks for his players. How much did five pairs of socks cost?
5. A craft club makes 95 identical paperweights to sell. They collect \$230.85 from selling all the paperweights. If the profit the club collects on each paperweight is two times as much as the cost to make each one, what does it cost the club to make each paperweight?

Name _____

Date _____

Divide.

a. $28 \div 32$

b. $68.25 \div 65$