

5.NBT.B.7 Divide Decimals by Decimals

5.NBT.B.7: Add, subtract, multiply, and divide decimals to hundredths.

1. Rewrite the division expression after converting the divisor to a whole number.

- a. $33.75 \div 1.5$
b. $34.52 \div 0.8$

Answers:

- c. $21.80 \div 1.8$
d. $28.92 \div 0.06$

Answers:

2. Divide. Use multiplication to check your answers.

- a. $22.5 \div 1.5$
b. $218.05 \div 3.5$
c. $299.25 \div 3.8$
d. $2.064 \div 0.48$
e. $0.00126 \div 0.07$

Answers:

- f. $31.135 \div 0.65$
g. $241.64 \div 2.8$
h. $8.16 \div 1.7$
i. $235.84 \div 6.7$
j. $4.815 \div 0.25$

Answers:

3. Valerie drinks 5.7 oz of milk every day. Her mother bought her a carton of milk that weighed 114 oz. How many days would Valerie consume all the milk in the carton?

Answer:

4. A pound is equal to 16 ounces. Navy feed her kitten 0.32 ounces of cat food twice a day. How many days will it take her kitten to finish a pound of cat food?

Answer:

5. 51.6 liters of juice is to be put on 4.3-liter cups. How many cups are needed to put all the juice on the cups?

Answer:

6. Gerald walked 120.6 meters in 2.4 minutes to reach his best friend's house. How many meters did he walk in a minute?

Answer:

7. Mr. Carter has a piece of wood that is 504.4 inches in length. He needs to cut pieces that are 9.7 inches in length. How many pieces 9.7 inches in length can he cut from the piece of wood that he has?

Answer:

8. Patrick's kitten grows by 3.4 grams per day. If it grows at a constant rate, how many days does it take to grow by 95.2 grams?

- A. 25 days B. 27 days C. 28 days D. 38 days

Answer:

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Answer Key

1. Rewrite the division expression after converting the divisor to a whole number.

a. $33.75 \div 1.5$

b. $34.52 \div 0.8$

Answers:

$337.5 \div 15$

$345.2 \div 8$

c. $21.80 \div 1.8$

d. $28.92 \div 0.06$

Answers:

$218 \div 18$

$2,892 \div 6$

2. Divide. Use multiplication to check your answers.

a. $22.5 \div 1.5$

b. $218.05 \div 3.5$

c. $299.25 \div 3.8$

d. $2.064 \div 0.48$

e. $0.00126 \div 0.07$

Answers:

15

62.3

78.75

4.3

0.018

f. $31.135 \div 0.65$

g. $241.64 \div 2.8$

h. $8.16 \div 1.7$

i. $235.84 \div 6.7$

j. $4.815 \div 0.25$

Answers:

47.9

86.3

4.8

35.2

19.26

3. Valerie drinks 5.7 oz of milk every day. Her mother bought her a carton of milk that weighed 114 oz. How many days would Valerie consume all the milk in the carton?

Answer:

20 days

4. A pound is equal to 16 ounces. Navy feed her kitten 0.32 ounces of cat food twice a day. How many days will it take her kitten to finish a pound of cat food?

Answer:

25 days

5. 51.6 liters of juice is to be put on 4.3-liter cups. How many cups are needed to put all the juice on the cups?

Answer:

12 cups

6. Gerald walked 120.6 meters in 2.4 minutes to reach his best friend's house. How many meters did he walk in a minute?

Answer:

50.25 meters

7. Mr. Carter has a piece of wood that is 504.4 inches in length. He needs to cut pieces that are 9.7 inches in length. How many pieces 9.7 inches in length can he cut from the piece of wood that he has?

Answer:

52 pieces

8. Patrick's kitten grows by 3.4 grams per day. If it grows at a constant rate, how many days does it take to grow by 95.2 grams?

Answer:

C. 28 days

A. 25 days

B. 27 days

C. 28 days

D. 38 days