ALBERT

Name _____ Date _____

# Decimal Operations Worksheet

Grade 5 · Common Core 5.NBT.B.7

> Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

## Practice

Builds the skill step by step.

1. $3.45 + 2.3 = ?$

2. $6.8 - 2.45 = ?$

3. $0.6 \times 4 = ?$

4. $4.8 \div 4 = ?$

5. $0.3 \times 0.2 = ?$

   A. 0.6

   B. 0.06

   C. 6

   D. 0.5

6. $12.5 + 7.75 = ?$

7. Pens cost $1.25 each. How much do 6 pens cost?

8. $9 - 3.68 = ?$

9. $2.5 \times 0.4 = ?$

10. $7.2 \div 0.9 = ?$

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## On Level

Grade-level practice.

1. $15.06 - 8.79 = ?$

2. $3.6 \times 2.5 = ?$

3. $0.84 \div 0.12 = ?$

4. 4 friends share $25.40 equally. How much does each friend get?

5. Ana knows that $24 \times 13 = 312$. What is $2.4 \times 1.3$?

   A. 31.2

   B. 0.312

   C. 3.12

   D. 312

6. $0.7 \times 0.8 = ?$

7. A 3.6-meter board is cut into pieces that are each 0.4 meter long. How many pieces are there?

8. $46.5 + 8.75 - 12.3 = ?$

9. Gas costs $3.45 per gallon. How much do 12 gallons cost?

10. Why is $0.5 \times 0.4$ equal to 0.2?

    A. 5 tenths × 4 tenths is 20 hundredths, which equals 0.2.

    B. $5 \times 4 = 20$, so the answer is 20.

    C. Multiplying always makes a number bigger.

    D. 0.5 + 0.4 is close to 0.2.

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## Challenge

Multi-step and word problems that stretch it.

1. $(2.5 + 1.75) \times 4 = ?$

2. A runner ran 3.25 kilometers each day for 6 days, then 4.5 kilometers on the 7th day. How far did she run in all?

3. $18 \div 0.25 = ?$

4. Ben buys 3 notebooks for $2.75 each and a pen for $1.40. He pays with a $20 bill. How much change does he get?

5. Which has the greatest value?

   A. $0.4 \times 0.5$

   B. $0.4 + 0.5$

   C. $0.5 \div 0.4$

   D. $0.5 - 0.4$

6. $6.4 \div 0.08 = ?$

7. A 2-liter bottle of juice is poured into cups that each hold 0.25 liter. How many cups can be filled?

8. Find the missing number: ___ × 0.6 = 4.2

9. Fabric costs $4.80 per meter. How much do 2.5 meters cost?

10. 3.2 × 1.5 − 0.8 = ?