must use strategies!

Objective 2 | TAKS Grade 5 Mathematics | TEKS 5.6A

The student is expected to select from and use diagrams and number sentences to represent real-life situations.

1. Rudy had $34.50 to spend. He purchased 3 VCR tapes for $9.50 each. Which number sentence can be used to find how much money Rudy had left?

A $34.50 − ($9.50 + 3) = ☐

B $34.50 ÷ ($9.50 − 3) = ☐

C $34.50 ÷ ($9.50 − 3) = ☐

D $34.50 − ($9.50 × 3) = ☐

2. The bakery made 40 dozen cupcakes and 58 dozen cookies. The cup cakes sold for $5.25 per dozen and the cookies sold for $4.50 per dozen. How much money did the bakery make if all the cupcakes and cookies sold?

A (40 × $5.25) − (58 × $4.50) = ☐

B (40 × $5.25) ÷ (58 × $4.50) = ☐

C (40 × $5.25) ÷ (58 × $4.50) = ☐

D (40 × $5.25) × (58 × $4.50) = ☐

3. Mrs. Ramos made 24 tacos. Her family ate 13 of them. Then Mrs. Ramos made 12 more tacos. Which number sentence can be used to find the number of tacos she had then?

A 24 + 13 − 12 = ☐

B 24 + 13 ÷ 12 = ☐

C 24 − 13 + 12 = ☐

D 24 − 13 − 12 = ☐

4. Mitch must beat a time of 39.5 minutes to win a race. His first lap was 13.7 minutes, his second lap was 13.4 minutes, and his last lap was 12.9 minutes. Which number sentence can be used to find out if Mitch won the race?

A 39.5 − (13.7 + 13.4 + 12.9) = ☐

B 39.5 ÷ (13.7 + 13.4 + 12.9) = ☐

C 39.5 ÷ (13.7 + 13.4 + 12.9) = ☐

D 39.5 × (13.7 + 13.4 + 12.9) = ☐

5. Carlos had 19 baseball cards, and Dan had 11 baseball cards. Tommy had 8 more baseball cards than Dan had. Which number sentence shows how to find the total number of baseball cards that Tommy had?

A 19 + 11 = ☐

B 19 − 8 = ☐

C 19 + 8 = ☐

D 11 + 8 = ☐

6. Mrs. Batten had 48 yards of fabric. She used 12 yards when she made a quilt. Then she used 28 yards when she made some curtains. Which number sentence can be used to find the number of yards of fabric she had left?

A 48 + 12 + 28 = ☐

B 48 + 12 + 28 = ☐

C 48 + 12 − 28 = ☐

D 48 − 12 − 28 = ☐

Objective 2 | TAKS Grade 5 Mathematics | TEKS 5.6A

The student is expected to select from and use diagrams and number sentences to represent real-life situations.

7. Caleb practices pitching a baseball for 3 hours each day. He pitches the ball 50 times each hour he practices. Which number sentence could be used to find how many times Caleb pitches the ball in 15 days?

A $3 \times (50 \div 15) =$ ☐

B $3 \times 50 \times 15 =$ ☐

C $3 \div (50 \times 15) =$ ☐

D $(3 \times 50) \div 15 =$ ☐

8. Gino has his soccer cards lined up on the table. He has 9 rows of cards, with 7 cards in each row. Which number sentence shows how many cards are on the table?

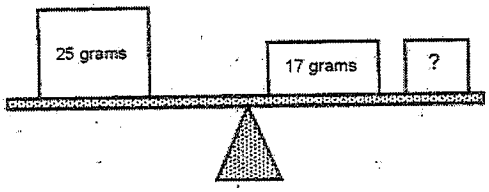
A $9 + 7 =$ ☐

B $9 - 3 =$ ☐

C $9 \times 7 =$ ☐

D $9 \div 7 =$ ☐

9. Mike wants to balance a scale. Which expression could be used to find how many grams he needs to balance the scale?



A $25 + 17 =$ ☐

B $25 - 17 =$ ☐

C $25 \times 17 =$ ☐

D $15 \div 17 =$ ☐

10. Jamal has 35 mathematics problems for homework. After working 34 minutes, he has 6 problems left. Which number sentence can be used to find the number of problems Jamal worked in 34 minutes?

A $34 \div 6 =$ ☐

B $35 \div 6 =$ ☐

C $35 - 6 =$ ☐

D $35 + 6 - 34 =$ ☐

11. There are 12 students in the math club. Each student needs 3 sharpened pencils for math competition. Which number sentence can be used to find the number of pencils the math club needed in all?

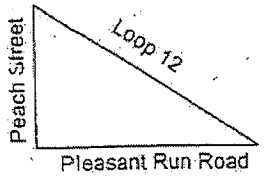
A $12 + 3 =$ ☐

B $12 - 3 =$ ☐

C $12 \div 3 =$ ☐

D $12 \times 3 =$ ☐

12. Ted walked in a 24 kilometer Walk-A-Thon. The walking course formed a triangle. The distance along Loop 12 was 10 kilometers. The distance along Pleasant Run Road was 8 kilometers. Which number sentence can be used to find the distance along Peach Street?



A $12 + 10 \div 8 =$ ☐

B $10 - 8 =$ ☐

C $24 - 10 + 8 =$ ☐

D $24 - 10 - 8 =$ ☐

Multiplying and Dividing Powers of Ten

Name:

Solve each problem.

5.47×10^4

This is the same as saying:
$5.47 \times (10 \times 10 \times 10 \times 10)$
And because the base is 10 you can just move the decimal 4 places to the right to solve.

5 4 7 0 0.

$5.47 \times 10^4 = 54{,}700$

$2.36 \div 10^2$

Division is the same way. Only instead of moving the decimal right, you move it left.

.0 2 3 6

1) $8.5 \div 10^1$

2) 248.92×10^4

3) $1.28 \div 10^3$

4) 498.32×10^3

5) $415.95 \div 10^2$

6) 52.8×10^4

7) $582.61 \div 10^1$

8) 8.15×10^1

9) $4.7 \div 10^3$

10) 9.849×10^3

11) $9.969 \div 10^2$

12) 6.72×10^2

13) $61.423 \div 10^2$

14) 144.717×10^3

15) $884.4 \div 10^2$

16) 79.5×10^4

17) $6.14 \div 10^4$

18) 3.595×10^4

19) $66.5 \div 10^2$

20) 74.3×10^1

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identifying Decimal Equation Patterns

Name:

Use decimal multiplication and division rules to fill in the blank.

1) 626.54 × _____ = 6,265.4

2) 982.24 × _____ = 98,224

3) 79,310 ÷ 100 = _____

4) _____ × 100 = 54,757.9

5) _____ ÷ 100 = 954.132

6) 821.35 × 10 = _____

7) _____ ÷ 100 = 753.6

8) 591,840 ÷ _____ = 591.84

9) _____ × 10 = 9,292

10) 611,216 ÷ _____ = 611.216

11) 563.8 × 10 = _____

12) 852.6 × 1,000 = _____

13) _____ × 1,000 = 332,960

14) _____ ÷ 100 = 758.78

15) 75,412.9 ÷ 100 = _____

16) 4,878.86 ÷ _____ = 487.886

17) 44,338.9 ÷ 100 = _____

18) 169.1 × _____ = 169,100

19) _____ ÷ 100 = 357.97

20) _____ × 1,000 = 151,370

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Multiplying with Decimals

Name:

Solve each problem.

1) 63.9 × 7.0

2) 44.84 × 9.84

3) 88.6 × 5.01

4) 39.6 × 5.20

5) 28.15 × 5.5

6) 14.36 × 4.9

7) 63.14 × 2.08

8) 18.65 × 6.8

9) 16.92 × 8.4

10) 80.1 × 2.8

11) 5.9 × 3.9

12) 5.6 × 6.2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Placing Decimals with Multiplication

Name:

Determine the placement of the decimal in each product.

$5.809 \times 7.8 =$ 4 5 3 1 0 2

1. Count the quantity of numbers to the right of the decimal for each factor.

   5.809 has 3 numbers right of the decimal (5.809)
   7.8 has 1 number right of the decimal (7.8)

2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

   3 + 1 = 4
   5.089 (3) × 7.8 (1) = 45.3102 (4)

Also notice that $5 \times 7 = 35$ and $6 \times 8 = 48$, so 5.809×7.8 will be a more than 35 but less than 48.

1) $4.321 \times 5.76 =$ 2 4 8 8 8 9 6

2) $9 \times 2.943 =$ 2 6 4 8 7

3) $2.371 \times 6.7 =$ 1 5 8 8 5 7

4) $3 \times 7.258 =$ 2 1 7 7 4

5) $1 \times 6.17 =$ 6 1 7

6) $5 \times 9.7 =$ 4 8 5

7) $3.1 \times 9.459 =$ 2 9 3 2 2 9

8) $5 \times 5.2 =$ 2 6 0

9) $2.5 \times 1.21 =$ 3 0 2 5

10) $3.685 \times 7.55 =$ 2 7 8 2 1 7 5

11) $2.882 \times 7.6 =$ 2 1 9 0 3 2

12) $6.898 \times 6.94 =$ 4 7 8 7 2 1 2

13) $5.995 \times 8.7 =$ 5 2 1 5 6 5

14) $8.55 \times 5.626 =$ 4 8 1 0 2 3 0

15) $6 \times 7.71 =$ 4 6 2 6

16) $9.332 \times 1.5 =$ 1 3 9 9 8 0

17) $1.95 \times 6.692 =$ 1 3 0 4 9 4 0

18) $7.635 \times 2.5 =$ 1 9 0 8 7 5

19) $9.22 \times 7.5 =$ 6 9 1 5 0

20) $1.9 \times 1.16 =$ 2 2 0 4

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0