

Name: _____

Date: _____

Score: _____ / 19

Integers: Multiplying & Dividing

Sign rules for products and quotients, including squares of negative numbers.

Same signs answer is positive	Different answer is negative	$(-5)^2$ = 25	Zero $0 \times \text{any} = 0$
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Section A — Multiplying

Find each product.

1. $-6 \times 7 =$ _____

2. $8 \times -5 =$ _____

3. $-4 \times -9 =$ _____

4. $12 \times -3 =$ _____

5. $-7 \times -8 =$ _____

6. $-11 \times 6 =$ _____

Section B — Dividing

Find each quotient.

7. $-48 \div 6 =$ _____

8. $56 \div -7 =$ _____

9. $-72 \div -8 =$ _____

10. $-90 \div 9 =$ _____

11. $64 \div -4 =$ _____

12. $-121 \div 11 =$ _____

Section C — Squares

Find each value.

13. $(-5)^2 =$ _____

14. $(-9)^2 =$ _____

15. $(-12)^2 =$ _____

16. $(-7)^2 =$ _____

Section D — Word Problems

Show your work.

17. A submarine descends 15 m per minute for 8 minutes. Change in depth?

18. The temperature drops 4 degrees each hour for 6 hours. Total change?

19. A debt of \$126 is shared equally by 6 people. Each owes?

Integers: Multiplying & Dividing — Answer Key

For marking. Accept equivalent correct forms.

Section A — Multiplying

1. -42

2. -40

3. 36

4. -36

5. 56

6. -66

Section B — Dividing

7. -8

8. -8

9. 9

10. -10

11. -16

12. -11

Section C — Squares

13. 25

14. 81

15. 144

16. 49

Section D — Word Problems

17. -120 m

18. -24 degrees

19. \$21
