

Fractions: Skill 5 - 15B

Divide Whole Numbers by Fractions

Test question
15B.

Divide: $9 \div \frac{6}{7}$

Answer: $\frac{9}{1} \div \frac{6}{7} = \frac{9}{1} \times \frac{7}{6} = \frac{63}{6} = 10\frac{3}{6} = 10\frac{1}{2}$

Divide a whole number by a fraction.

| Step 1 | Step 2 | Step 3 |
|---|---|--|
| $3 \div \frac{2}{7}$ <p>The whole number is written as a fraction by making the denominator 1.</p> $\frac{3}{1} \div \frac{2}{7}$ | <p>Rewrite as a multiplication problem using the reciprocal of the divisor.</p> $\frac{3}{1} \div \frac{2}{7} = \frac{3}{1} \times \frac{7}{2}$ | <p>Multiply.</p> $\frac{3}{1} \times \frac{7}{2} = \frac{21}{2} \text{ or } 10\frac{1}{2}$ |

Directions: Divide. Write answer in simplest form.

1. $3 \div \frac{2}{5}$

2. $2 \div \frac{3}{4}$

3. $1 \div \frac{2}{7}$

4. $6 \div \frac{2}{8}$

5. $5 \div \frac{5}{8}$

6. $6 \div \frac{7}{5}$

7. $8 \div \frac{1}{3}$

Fractions: Skill 5 - 15B

Divide Whole Numbers by Fractions

Directions: Divide. Write answer in simplest form.

8. $8 \div \frac{7}{4}$

9. $9 \div \frac{4}{5}$

10. $7 \div \frac{5}{8}$

11. $8 \div \frac{3}{8}$

12. $8 \div \frac{3}{5}$

13. $3 \div \frac{5}{9}$

14. $2 \div \frac{3}{16}$

15. $5 \div \frac{7}{9}$

16. $5 \div \frac{2}{3}$

17. $6 \div \frac{5}{7}$

18. $7 \div \frac{6}{7}$

Fractions: Skill 5 - 15B

Divide Whole Numbers by Fractions

Directions: Divide. Write answer in simplest form.

19. $8 \div \frac{3}{10}$

20. $5 \div \frac{3}{4}$

21. $4 \div \frac{5}{8}$

22. $7 \div \frac{5}{12}$

23. $6 \div \frac{7}{8}$

24. $4 \div \frac{11}{14}$

25. $7 \div \frac{8}{9}$

26. $2 \div \frac{12}{15}$

27. $8 \div \frac{5}{6}$

28. $4 \div \frac{9}{10}$

29. $6 \div \frac{5}{7}$

30. $3 \div \frac{2}{3}$

Answers: Skill 15B, Grade 5

| | | | | | | |
|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|
| 1. $7\frac{1}{2}$ | 2. $2\frac{2}{3}$ | 3. $3\frac{1}{2}$ | 4. 24 | 5. 8 | 6. $4\frac{4}{7}$ | 7. 24 |
| 8. $4\frac{4}{7}$ | 9. $11\frac{1}{4}$ | 10. $11\frac{1}{5}$ | 11. $21\frac{1}{3}$ | 12. $13\frac{1}{3}$ | 13. $5\frac{2}{5}$ | 14. $10\frac{2}{3}$ |
| 15. $6\frac{3}{7}$ | 16. $7\frac{1}{2}$ | 17. $8\frac{2}{5}$ | 18. $8\frac{1}{6}$ | 19. $26\frac{2}{3}$ | 20. $6\frac{2}{3}$ | 21. $6\frac{2}{5}$ |
| 22. $16\frac{4}{5}$ | 23. $6\frac{6}{7}$ | 24. $5\frac{1}{11}$ | 25. $7\frac{7}{8}$ | 26. $2\frac{1}{2}$ | 27. $9\frac{3}{5}$ | 28. $4\frac{2}{5}$ |
| 29. $8\frac{2}{5}$ | 30. $4\frac{1}{2}$ | | | | | |

Copyright © FreeMathProgram.com All rights reserved.