



Skills Review Handbook

Each exercise set ends with “mixed review” exercises that we call **Fair Game Review**. The title indicates that the skills being reviewed are from previous lessons in the book OR from previous grades. All of the material from previous grades is reviewed in the **Skills Review Handbook**.

The **Skills Review Handbook** is available for download at BigIdeasMath.com. Each topic is presented as a worksheet with:

- Key Concepts and Vocabulary
- Visual Model
- Skill Examples
- Application Examples
- Practice makes **PURR-FECT™**



Fair Game Review what you learned in previous grades & lessons

Use rounding to estimate the sum or difference. (*Skills Review Handbook*)

44. $4.8 + 6.4$ 45. $10.7 - 3.8$ 46. $2.16 + 7.44$ 47. $16.58 - 5.26$

48. **MULTIPLE CHOICE** Which expression is equivalent to $9(3 + x + 5)$? (*Section 1.4*)

- (A) $x + 32$ (B) $9x + 32$ (C) $9x + 72$ (D) $27x + 45$

REVIEW: Dividing Mixed Numbers Name _____

Key Concept and Vocabulary
Rewrite as improper fractions.
 $2\frac{1}{2} \div 1\frac{1}{2} = \frac{5}{2} \div \frac{3}{2} = \frac{5}{2} \times \frac{2}{3} = \frac{5}{3} = 1\frac{2}{3}$
Divide $2\frac{1}{2}$ into five equal parts. Each part is $\frac{1}{2}$.
 $2\frac{1}{2} \div \frac{1}{2} = \frac{5}{2} \div \frac{1}{2} = \frac{5}{2} \times \frac{2}{1} = 5$

Visual Model
Divide $2\frac{1}{2}$ into five equal parts. Each part is $\frac{1}{2}$.

Skill Examples
1. $5 \div 2\frac{1}{2} = \frac{5}{1} \div \frac{5}{2} = \frac{5}{1} \times \frac{2}{5} = 2$
2. $3\frac{3}{4} \div 2\frac{1}{4} = \frac{15}{4} \div \frac{9}{4} = \frac{15}{4} \times \frac{4}{9} = \frac{5}{3} = 1\frac{2}{3}$
3. $4\frac{1}{4} \div 1\frac{1}{2} = \frac{17}{4} \div \frac{3}{2} = \frac{17}{4} \times \frac{2}{3} = \frac{17}{6} = 2\frac{5}{6}$
4. $7\frac{1}{3} \div 11 = \frac{22}{3} \div \frac{11}{1} = \frac{22}{3} \times \frac{1}{11} = \frac{2}{3}$

Application Example
5. You need $2\frac{1}{2}$ inches of ribbon to make a Blue-Ribbon award. How many awards can you make with 35 inches of ribbon?
 $35 \div 2\frac{1}{2} = \frac{35}{1} \div \frac{5}{2} = \frac{35}{1} \times \frac{2}{5} = 14$
You can make 14 awards.

PRACTICE MAKES PURR-FECT™ Check your answers at BigIdeasMath.com

Find the quotient. Write your answer in simplest form.
6. $\frac{4}{5} \div 9 =$ 7. $\frac{3}{8} \div 7 =$ 8. $\frac{4}{5} \div 7 =$ 9. $\frac{7}{8} \div 4 =$
10. $8 \div 1\frac{1}{3} =$ 11. $32 \div 3\frac{1}{5} =$ 12. $11 \div 2\frac{3}{4} =$ 13. $9 \div 1\frac{1}{2} =$
14. $3\frac{1}{2} \div \frac{1}{2} =$ 15. $\frac{1}{2} \div \frac{1}{3} =$ 16. $1\frac{1}{4} \div 1\frac{1}{4} =$ 17. $3\frac{1}{2} \div 2\frac{1}{2} =$

Find the missing dimension.
18. Area = 16 sq ft
19. Area = 16 sq cm

20. **RED RIBBONS** You need $2\frac{1}{2}$ inches of ribbon to make a Red-Ribbon award. How many awards can you make with 35 inches of ribbon?

21. **SHIPPING** You are stacking books into a shipping box that is 15 inches high. Each book is $\frac{1}{4}$ inches thick. How many books can you fit in a stack?

Copyright © Big Ideas Learning, LLC

REVIEW: Circle Graphs Name _____

Key Concept and Vocabulary
Percentages add up to 100%.
Degrees add up to 360°.

Visual Model

Skill Example
1. Data: 15, 15, 30
Angles:
 $15 \rightarrow 25\% \rightarrow 90^\circ$
 $30 \rightarrow 50\% \rightarrow 180^\circ$

Application Example
2. 200 people were asked their favorite color. How many said blue?
20% of 200 = 40
40 people said "blue."

PRACTICE MAKES PURR-FECT™ Check your answers at BigIdeasMath.com

Draw a circle graph for the data. Label each part of the graph.
3. Favorite Pet:
dog, cat, fish, bird
4. Favorite Day:
Friday, Saturday, Sunday

BUDGET A family is making a monthly budget. Its total take-home pay for a month is \$2400.
5. How much is budgeted for food? _____
6. How much is budgeted for miscellaneous? _____
7. How much is budgeted for rent? _____
8. How much is budgeted for clothes? _____
9. How much is budgeted for savings? _____

Copyright © Big Ideas Learning, LLC