

5 Look at the expressions in this table.

A	$2(-4x + 1) - 5$
B	$-6 + -(8x - 3)$
C	$9x + 3 - x - 6$
D	$\frac{-24x + 27}{3x}$
E	$-4(2x + \frac{3}{4})$
F	$-10x - (4 + 2x)$
G	$\frac{18x + 9}{-3} - 2x$

Which of the expressions in the table are equivalent? Select **all** that apply.

- A** expression A
- B** expression B
- C** expression C
- D** expression D
- E** expression E
- F** expression F
- G** expression G

GO ON →

- 6 Find the quotient.

$$\frac{9}{16} \div \frac{3}{12} =$$

Write your answer in the space provided. Write **only** your fraction.

- 7 Look at this expression.

$$7p(6p^2 + 4p)$$

Select the correct cell in the table to indicate the term for each part of the expression. You may select more than one cell per row.

Part of Expression	Sum	Product	Coefficient	Variable	Term
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4p	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6p <sup>2</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6p <sup>2</sup> + 4p	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GO ON →

32 In a recipe, the cups of flour are proportional to the cups of oats.

### Part A

This table shows the relationship between the cups of flour and the cups of oats used in the recipe.

Complete the table with the missing numbers. Write your answers in the boxes.

Cups of Flour	Cups of Oats
3	4
<input type="text"/>	16
18	<input type="text"/>
30	40

### Part B

How much flour is used with every 1 cup of oats? Write your answer as a decimal in the box.

cup(s)

### Part C

A baker is making the recipe with 18 cups of flour. There are 30 cups of **oats** in a bag.

What percent of the bag of **oats** will the baker use? Use your answer to Part A. Write your answer in the box.

%

### Part D

A 5-pound bag of flour costs \$3.00. The baker uses 4 pounds of the flour for a recipe. Circle an option from each set to correctly complete the statement.

The flour costs  \$0.50  \$0.60  \$1.66 per pound, so the flour the

baker uses costs  \$2.40  \$2.50  \$3.00  \$6.64 .

GO ON →